

**HES**

**0**

**0**

**5**

**3**

**4**

ORIGINAL

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

JAN. 7. 1919

APR-2 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 534

SITUATED IN THE Coronado NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 5 , unsurveyed, Township 24 S , Range 19 E  
In Section 8 , unsurveyed, Township 24 S , Range 19 E

of the

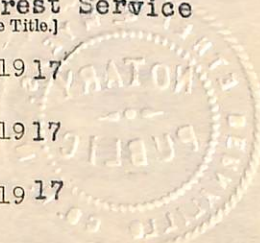
Gila and Salt River Base and Meridian.

State of Arizona

Applicant for listing	C. H. Menefee.
Residence	Sunnyside, Arizona.
Application No. 222	, dated July 25 , 1912
List No. 3-2387	, dated March 13 , 1913

Applicant for survey	Ralph C. Mc Intyre
Residence	Sunnyside, Arizona.
H. E. No. 027689	, dated July 8 , 1915
Office	
Land District	Phoenix, Arizona.

Survey executed by	C. A. Long	Surveyor, Forest Service
		<small>(Forest Service Title.)</small>
Under special instructions dated	March 28,	, 1917
Survey commenced	May 16,	, 1917
Survey completed	May 17,	, 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. 534, 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.

*A. W. Sunday* Chainman

*H. S. Washburn* Chainman

Subscribed and sworn to before me this 17th day of May, 1917.

*C. A. Long*  
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

List No. 3-2387, dated March 13, 1913, for PATENT, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 534, situated within the Coronado National Forest, in unsurveyed Section 5, Township 24 S, Range 19 E, and unsurveyed Section 8, 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.

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

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

*Ethel S. Myers*  
Notary Public



My Commission expires Mar. 17 1921

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, C. H. Menefee; Application No. 222, dated July 25, 1912; List No. 3-2387, dated March 13, 1913, H. E. 027689, made in the Phoenix Land Office on July 8, 1915, by Ralph C. McIntyre. Surveyed under special instructions from the Surveyor General for Arizona, dated March 28, 1917, and designated as Homestead Entry Survey No. 554. Situated in what will probably be when surveyed, secs. 5 and 8, 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 16, 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 16, 1917.  
At cor. H-1 of the list survey, and what will be cor. No. 1 of this survey hereinafter described, at 6h. 39m. 25s. p.m. l.m.t., I observe Polaris with telescope direct, reading an angle at 65° 07' from star to right to a prominent point on Huachuca Mountains, about 8 miles distant. Lat. 31° 22' 06" N., Long. 110° 26' 36" W. from U.S.G.S. sheet of Hereford Quadrangle.

HOMESTEAD ENTRY SURVEY NO. 534

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Greenwich m.t. U.C. Pol. May 16, 1917 9h 55.4m a.m.  
 Long. corr. 1.2m  
 l.m.t. U.C. Pol. May 16, 1917 9h 54.2m  
 +12 00.0  
 Astron. l.m.t. U.C. Pol. May 15, 1917 21h 54.2m a.m.  
 Astron. l.m.t. of obsn. May 15, 1917 30 39.4m  
 Hour angle 8h 45.2m

Azimuth of Polaris at obsn. 0° 59' 18" W.  
 Bearing of reference mark N. 64° 07' 42" E.

At the same point, at 6h. 40m. 55s. p.m. l.m.t. I again observe Polaris with telescope reversed, reading an angle of 65° 07' from star to right to the same reference mark.

Astron. l.m.t. U.C. Pol. May 15, 1917 21h 54.2m.  
 Astron. l.m.t. of obsn. May 15, 1917 30h 40.9m.

Hour angle 8h 46.7m.  
 Azimuth of Pol. at obsn. 0° 58' 57" W.  
 Bearing of reference mark N. 64° 08' 03" E

The bearing of reference mark as determined by taking the mean of the two observations is, N. 64° 07' 52" E.

and from the corresponding meridian all the courses of the survey are referred.

May 17, 1917.

BOUNDARIES OF H. E. S. NO. 534

Beginning at cor. No. 1.

Identical with cor. H-1 of the list survey, which is a limestone 4 x 8 x 14 ins. above ground, marked and witnessed as described by the Forest Service. I destroyed all trace of this list cor.

Deposit a porphyry stone 2 x 2 x 6 ins. marked with a + 14 ins. in the ground, over which set a porphyry stone 24 x 12 x 12 ins. chiseled for the point and 1 H E S 534 on E. face; raise a mound of stone 4 ft. base 3 ft. high E. of cor., whence;

9' 14" 59' 06"

## CORONADO NATIONAL FOREST

STATE OF ARIZONA

## Chains

A black oak 12 ins. dia. bears N. 84° 40' W.

154 lks. dist.

A black oak 12 ins. dia. bears N. 16° 45' E.

158 lks. dist.

Each blazed and scribed 1 H ES + 534 BT

Cor. to Secs. 1, 6, 7 and 12, T. 24 S., Rs. 18

and 19 E., which is a sandstone 6 x 8 x 10 ins.

above ground, firmly set, marked and witnessed

as described by the Surveyor General, bears

N. 83° 52' 35" W. 83.90 chs. dist. by traverse

which appears at end of these notes.

Cor. No. 6 of H E S 297, a porphyry stone

12x14x12 ins. above ground firmly set, and

marked 6 H E S 297 on SW face, bears S. 14°

57' W., 9.01 chs. dist. by direct measurement.

(The returns for H E S 297 record this tie as

N. 14° 07' E. 9.00 chs. Cor. H/1 of List 3-2387

was found loose on top of the ground and has

probably been moved a few feet since the sur-

vey of H E S 297).

Observed mag. decl. at 8.a.m. is 13° 00' E. Mean mag.

decl. 12° 57' E.

Lat. 31° 22' 06" N., Long. 110° 26' 36" W. from U.S.G.S.

sheet of Hereford Quadrangle.

Thence N. 33° 58' E.

Asc. 30 ft. to cor. over bottom land through scattering

oak and walnut.

2.50 Wash 30 lks. wide, course SW.

4.80 Begin steep ascent of N. bank of wash.

5.10 Top of bank, thence over mesa land ascending. Oak becomes  
dense.

6.50 Gulch, course SE.

8.20 Gulch, course SE.

14.00 Enter bottom land.

23.00 Leave bottom land.

25.40 Draw, course SE.

Chains

- 28.00 Enter bottom land.
- 34.00 Draw, course E. Leave bottom land.
- 48.80 Arroyo 10 lks. wide 4 ft. deep, course SE.
- 49.86 To Cor. No. 2,

Identical with Cor. H/2 of the list survey, which is a limestone 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 limestone 2 x 3 x 4 ins. marked with a + 14 ins. in the ground, over which set a porphyry stone 24 x 16 x 6 ins. chiseled + for the point and 2 H E S 534 on E. face; raise a mound of stone 4 ft. base, 3 ft. high E. of cor., whence:

A black oak 16 ins. dia. bears S. 26° 50' W.  
133 lks. dist.

A black oak 16 ins. dia. bears N. 45° 30' W.  
13 lks. dist.

Each blazed and scribed 2 H E S + 534 B T.

---

Thence N. 24° 58' E.

Asc. 15 ft. to cor. over rolling mesa land through dense oak brush.

- 1.80 Wire fence bears NE. and SW.
- 17.50 Dim road bears N. 60° 00' E. and S. 60° 00' W.
- 19.00 Enter bottom land, oak brush becomes scattering.
- 19.85 Wire fence bears E. and W.
- 20.04 To Cor. No. 3,

Identical with Cor. H/3 of the list survey, also cor. H/4 of List 3-4330, which is a granite stone 4 x 8 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. which refers to this claim and at same point,

Deposit a granite stone 2 x 6 x 6 ins. marked with a

## CORONADO NATIONAL FOREST

## STATE OF ARIZONA

Chains + 20 ins. in the ground, over which set a porphyry stone 30 x 8 x 10 ins. chiseled + for the point and 3 H E S 534 on SE. face; raise a mound of stone 4 ft. base 3 ft. high SE. of cor., whence;

A Black oak 24 ins. dia. bears S. 15° 15' W.

175 lks. dist.

A Black oak 16 ins. dia. bears S. 83° 40' E.

87 lks. dist.

Each blazed and scribed 3 H. E S + 534 B T.

May 16, 1917.

May 17, 1917.

Thence S. 82° 44' E.

Along S. boundary of list 3 - 4330, Oliver P. Lane, desc. 5 ft. over open bottom land.

1.90 Wash 40 lks. wide, course S. 20° 00' E. Bottom of desc. asc. 5 ft. to cor.

2.20 Enter cultivated land.

8.70 Leave cultivated land, enter scattering oak.

8.80 Road bears N. 20° 00' E. and S. 20° 00' W.

8.96 To cor. No. 4.

Identical with cor. H - 4 of the list survey, also cor. H - 1 of list 3 - 4330 which is a granite stone, 4 x 8 x 14 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. which refers to this claim and in same place,

Deposit a sandstone 4 x 4 x 4 ins. marked with a + 14 ins. in the ground, over which set a porphyry stone 24 x 12 x 6 ins. chiseled + for the point and 4 H E S 534 on SW. face; raise a mound of stone 4 ft. base 3 ft. high SW. of cor., whence;



Chains

A Black oak 12 ins. dia. bears N. 41° 35' E.  
35½ lks. dist.

A White oak 24 ins. dia. bears S. 28° 30' W.  
103 lks. dist.

Each blazed and scribed 4 H E S + 534 B.T.

---

Thence S. 24° 59' W.

Asc. 10 ft. along steep W. slope through scattering oak.

2.00 Top of ascent on W. slope, descend 20 ft. over steep W. slope.

4.00 Enter bottom land, timber becomes scattering.

9.20 Wash 20 lks. wide, course S.

13.00 Same wash, course S. 30° 00' W.

15.75 Same wash, course S.

18.00 Same wash, course S. 30° 00' W.

27.00 Leave bottom land, bottom of descent, ascend 20 ft. along steep W. slope, enter dense oak.

43.94 To cor. No. 5.

Identical with cor. H - 5 of the list survey, which is a red granite stone 8 x 10 x 16 ins. above ground, marked and witnessed as described by the Forest Service.

I destroy all trace of this list cor.

Deposit a porphyry stone 1 x 4 x 4 ins. marked with a + 14 ins. in the ground, over which set a porphyry stone 24 x 8 x 8 ins. chiseled + for the point and 5 H E S 534 on W. face; raise a mound of stone 4 ft. base 3 ft. high W. of cor., whence;

A Black oak 10 ins. dia. bears S. 43° 00' E.  
56 lks. dist.

A Black oak 20 ins. dia. bears N. 81° 00' E.  
97 lks. dist.

Each blazed and scribed 5 H E S + 534 B T.

## CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains	Thence S. 5° 26' E. Asc. 35ft. to cor. along NW. slope through dense oak.
8.00	Leave oak timber, thence over open mesa,
33.70	To cor. No. 6 Identical with cor. H - 6 of the list survey, which is a granite stone 4 x 8 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 1 x 2 ins. marked with a + 12 ins. in the ground, over which set a sandstone 18 x 10 x 6 ins. (no larger stone available) chiseled + for the point and 6 H E S 534 on NW. face; No bearing trees or objects available, therefore, Dig pits 18 x 18 x 12 ins. crosswise on this and the succeeding course, 3½ ft. dist, and raise a mound of earth 5 ft. base, 2 ft. high NW. of cor.
	Thence West. Desc. 80 ft. to cor. over open mesa land.
12.50	Dim road bears N. 15° 00' W. and S. 15° 00' E.
19.00	Enter dense oak.
29.98	To cor. No. 7, Deposit a sandstone 1 x 3 x 3 ins. marked with a + 14 ins. in the ground, over which set a sandstone 24 x 10 x 10 ins. chiseled + for the point and 7 H E S 534 on NE. face; raise a mound of stone 4 ft. base, 3 ft. high NE. of cor., whence; A Black oak 14 ins. dia. bears N. 17° 00' E. 104 lks. dist. A black oak 14 ins. dia. bears S. 21° 30' E. 126 lks. dist.

HOMESTEAD ENTRY SURVEY NO. 534

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

Each blazed and scribed 7 H E'S + 534 B T. Cor. H - 7 of the list survey, which is a granite stone 4 x 10 x 14 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 10 lks. dist. I destroy all trace of this list cor.

Thence N. 0° 28' E.

Desc. 15 ft. over rolling mesa through dense oak.

6.00 Bottom of descent, oak becomes scattering, asc. 10 ft. to cor. over bottom land.

14.99 To cor. No. 1 the place of beginning.

AREA

Total area, -----126.75 Acres.

IMPROVEMENTS

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

A Frame House 18 x 20 ft., course of long sides E. and W., the NE. cor. of which bears S. 49° 47' W. 11.75 chs. from cor. No. 4.

Value ----- \$150.00

A Dug Well (no water) 60 ft. deep, the center of which bears S. 12° 15' E., 5.78 chs. dist. from cor. No. 3.

Value ----- \$150.00

A Pole Corral 12 x 25 ft., course of long sides E. and W. the NW. cor. of which bears S. 15° 30' E., 3.44 chs. dist. from cor. No. 5.

Value ----- \$ 25.00

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Total value of improvements ----- \$325.00

DESCRIPTION

This claim is located in a narrow valley draining SW.  
About 15 acres have been cleared and plowed, the remaining land is covered with dense oak brush. In all there is approximately 75 acres suitable for farming, the soil being a gravelly loam, first rate, and will, under ordinary dry farming methods, produce good crops of sorghum, beans, and corn.  
There is no water or evidence of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicts.  
List 3-4330 joins this claim on the North and HES No. 297 is nearby to the SW.  
Sunnyside, Arizona, postoffice is about 5 miles North and is reached by a fair wagon road.  
Nogales, Arizona, the nearest railway station is 25 miles to the West, and is reached by a fair wagon road.

TRAVERSE

Cor.	Course	Dist.	N.	S.	E.	W.	
1-2	N.33° 58' E.	49.86	41.35		27.86		
2-3	N.24° 58' E.	20.04	18.17		8.46		
3-4	S.82° 44' E.	8.96		1.13	8.89		
4-5	S.24° 59' W.	43.94		39.83		18.56	
5-6	S.05° 26' E.	33.70		33.55	3.19		
6-7	West	29.98				29.98	
7-1	N.0° 28' E.	14.99	14.99		.12		
			201.47	74.51	74.51	48.52	48.54
				74.51			48.52
Error in Lat. and Dep.				.00			.02

Closing error 1:10073.

HOMESTEAD ENTRY SURVEY NO. 534

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Tie from Cor. No. 1 to Cor. of Secs. 1, 6, 7, 12. T. 24 S., R's. 18 and 19 E.

Course	Dist.	N.	S.	E.	W.
N. 72° 15' W.	23.00	7.01			21.91
N. 89° 27' W.	53.42	.51			53.42
N. 79° 57' W.	8.22	1.43			8.09
		8.95			83.42

Tie is N. 83° 52' 35" W. 83.90 chs.

Survey completed May 17, 1917.

*C. H. Long*  
Surveyor, Forest Service

Dist.	Course	N.	S.	E.	W.
23.00	N. 72° 15' W.	7.01			21.91
53.42	N. 89° 27' W.	.51			53.42
8.22	N. 79° 57' W.	1.43			8.09
		8.95			83.42

- 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. I. 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. 534, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.				DEPARTURES.				DOUBLE M. D.		N. AREAS.		S. AREAS.	
			NORTH.		SOUTH.		EAST.		WEST.							
1-2	N. 33° 58' E.	49.86	41	35			27	86 <sup>7</sup>			28	11	1162	35		
2-3	N. 24° 58' E.	20.04	18	17			8	46			64	44	1170	87		
3-4	S. 82° 44' E.	8.96			1	13	8	89			81	79			92	42
4-5	S. 24° 59' W.	43.94			39	83			18	56 <sup>5</sup>	72	13			2872	94
5-6	S. 5° 26' E.	33.70			33	55	3	19			56	77			1904	63
6-7	West	29.98							29	98	29	98				
7-1	N. 0° 28' E.	14.99	14	99			12				12		1	80		
		201.47	74	51	74	51	48	52	48	54			2335	02	4869	99
							48	53 <sub>3</sub>	48	53					2335	02
															20 / 2534	97
	Closing error	1:10073													126.75	126.75 A. ✓

6

APPROVAL


Office of the United States Surveyor General,

Phoenix, Arizona, April 10, 1920

The foregoing field notes of Homestead Entry Survey No.

534

executed by *C. A. Long, Surveyor, Forest Service*  
[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.