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ORIGINAL

79

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 536

SITUATED IN THE Coronado NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3.

In Section 20, unsurveyed, Township 23 S, Range 19 E  
in Section 21, unsurveyed, Township 23 S, Range 19 E

JAN 17 1919  
APR - 2 1920

as per listing

of the

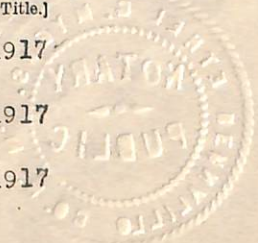
Gila and Salt River Base & Meridian.

State of Arizona.

Applicant for listing	Arthur Webb.
Residence	Sunnyside, Arizona
Application No. 348	, dated March 19, 1914
List No. 3-3563	, dated April 20, 1915

Applicant for survey	J. C. Holland
Residence	Sunnyside, Arizona
H. E. No. 032775	, dated February 8, 1917
Office	Phoenix, Arizona
Land District	

Survey executed by	C. A. Long	Surveyor, Forest Service
		<small>[Forest Service Title.]</small>
Under special instructions dated	March 28	, 1917
Survey commenced	May 26	, 1917
Survey completed	May 28	, 1917
Under Acts of	June 11, 1906, and August 11, 1916	



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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. 536, 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 28th 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

List, No. 3-3563, dated April 20, 1915, for PATENT, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 536, situated within the Coronado National Forest, in unsurveyed Section 20, Township 23 S, Range 19 E, and unsurveyed Section 21, Township 23 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 seventh day of November, 1918.

*[Signature]*  
Notary Public



My Com. expires March 17, 1921

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Arthur Webb; Application No. 348 dated March 19, 1914; List No. 3-3563, dated April 20, 1915; H. E. 032775 made in the Phoenix Land Office on February 8, 1917 by J. C. Holland.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 28, 1917, and designated as Homestead Entry Survey No. 536.

Situated in what will probably be when surveyed, secs. 20 and 21, T. 23 S. R. 19 E., Gila and Salt River Base and Meridian.

Surveyed under the Acts of June 11, 1906 and August 11, 1916.

Survey commenced May 26, 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 26, 1917.

At cor. H-1 of the list survey, hereinafter described, at 6 h. 35m. 35s. p.m. l.m.t. I observe Polaris with telescope direct, reading an angle of 23° 01' 30" from star to right to a reference mark about 3 miles dist.

Lat. 31° 25' N., Long. 110° 25' 30" W. derived from

Hereford Quadrangle U.S.G.S.

Greenwich m.t. U.C. Pol. May 26, 1917.	9h. 16.2m.a.m.
Siderial correction	1.2m
l.m.t. U.C. Pol. May 26, 1917	9h. 15.00
	12h. 00.00
Astron. l.m.t. U.C. Pol. May 25, 1917	21h. 15.00m.
Astron. l.m.t. of obsn.	30h. 35.6
Mean time, hour angle.	9h. 20.6m.

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2.

HOMESTEAD ENTRY SURVEY NO. 536

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Azimuth of Pol.  $0^{\circ} 50' 28''$  W.  
 Bearing of reference mark; N.  $22^{\circ} 11' 02''$  E.  
 At the same place at 6h. 38' p.m., l.m.t. I again observe  
 Polaris with telescope reversed, reading an angle of  
 $23^{\circ} 01'$  from star to right to the same reference mark.  
 Astron l.m.t. U.C. Pol. May 25, 1917, 21h. 15.0m.  
 Astron l.m.t. of obsn. May 25, 1917, 30h. 38.0m.  
 Mean time, hour angle 9h. 23.0m.  
 Azimuth of Polaris  $0^{\circ} 49' 50''$  W.  
 Bearing of reference mark N.  $22^{\circ} 11' 10''$  E.  
 The bearing of reference mark as determined from the  
 mean of the two observations is N.  $22^{\circ} 11' 06''$  E.  
 and from the corresponding meridian all the courses of  
 this survey were deflected.

May 27, 1917.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1.

Identical with cor. H-1 of the list survey which is  
 a limestone 6 x 12 x 19 ins. above ground, marked and  
 witnessed as described by the Forest Service. I des-  
 troy all trace of this list. cor.

Deposit a sandstone 1 x 4 x 6 ins. marked with a \*  
 24 ins. in the ground, over which set an iron post  
 36 ins. long, 2 ins. dia. with brass cap marked 1917  
 on S. and 1 H E S 536 on E. and raise a mound of stone  
 4 ft. base, 3 ft. high E. of cor. whence:

A Black oak 10 ins. dia. bears S.  $37^{\circ} 45'$  W.  
 252 lks. dist.

A White oak 20 ins. dia. bears N.  $13^{\circ} 00'$  W.  
 145 lks. dist.

Each blazed and scribed 1 H E S \* 536 B T

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains	<p>U. S. L. M. No. 290, H E S established in connection with the survey of H E S 290, which is a sandstone 14 x 6 x 10 ins. chiseled + at the point and U S L M 290 H E S on E. face with mound of stone 6 ft. base 4½ ft. high SE. 8 ft. dist. bears N. 57° 18' W., 94.77 chs. dist. by traverse which appears at end of these notes.</p> <p>The observed mag. decl. at 8 a.m. is 13° 00' E. which corr. for diurnal change gives a mean mag. decl. of 12° 57' E.</p> <p>Lat. 31° 25' N., Long. 110° 25' 30" W. from Hereford Quadrangle U. S. G. S.</p> <p>Thence N. 43° 03' E.</p> <p>Asc. 40 ft. to cor. over rolling SW. slope through scattering oak.</p> <p>20.75 Wash in draw 10 lks. wide, course SE.</p> <p>25.00 Wire fence bears N. 60° 00' W. and S. 60° 00' E. cor. of fence bears N. 60° 00' W. 20 lks.</p> <p>26.40 Wire fence bears NE. and SW.</p> <p>27.43 To cor. No. 2</p> <p>Identical with cor. H-2 of the list survey, which is a granite stone 4 x 14 x 18 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.</p> <p>Deposit a sandstone 2 x 3 x 6 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 2 H E S 536 on SE. quadrant, raise a mound of stone 4 ft. base 3 ft. high S. of cor., whence;</p> <p>A Black oak 10 ins. dia. bears S. 65° 00' W. 156 lks. dist.</p> <p>A white oak 12 ins. dia. bears N. 32° 35' W.</p>
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HOMESTEAD ENTRY SURVEY NO. 536

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

194 lks. dist.

Each blazed and scribed 2 H E S + 536 B T.

May 27, 1917.

May 28, 1917.

Thence N. 89° 48' E.

Desc. 100 ft. to cor. over gradual E. slope through scattering oak timber.

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

15.00 Enter corral

16.00 Leave corral.

16.50 Enter cultivated land, leave oak timber.

22.00 Leave cultivated land, enter scattering timber.

23.56 To cor. No. 3.

Identical with cor. H-3 of the list survey, which is a rhyolite stone 12 x 14 x 20 ins. above ground, marked and witnessed as described by the Forest Service.

destroy all trace of this list cor.

Deposit a porphyry stone 4 x 5 x 6 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 3-H E S 536 on SW. quadrant, raise a mound of stone 4 ft. base, 3 ft. high SW. of cor., whence;

A Black walnut 10 ins. dia. bears S. 13° 40' W. 12 lks. dist.

A Black walnut 14 ins. dia. bears S. 49° 45' E., 35 lks. dist.

Each blazed and scribed 3 H E S + 536 B T.

Thence S. 34° 00' W.

Through scattering oak brush.

1.50 Wash 30 lks. wide, course S. 60° 00' W.

3.00 Enter dense oak brush.

## CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains  
43.17

To cor. No. 4.

Identical with cor. H-4 of the list survey, which is a limestone 6 x 8 x 14 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 2 x 3 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 4 H E S 536 on N., raise a mound of stone 4 ft. base, 3 ft. high N. of cor., whence;

A Juniper 16 ins. dia. bears N. 69° 50' W.

18½ lks. dist.

A White oak 16 ins. dia. bears N. 42° 15' E.

75 lks. dist.

Each blazed and scribed 4-H E S + 536 B T.

U S L M No. 535 H E S, established in connection with the survey of H E S 535, which is a sandstone 6 x 16 x 8 ins. above ground chiseled + on top and U S L M 535 H E S on E. face with mound of stone 6 ft. base, 5 ft. high E. 6 ft. dist. bears S. 23° 41' E.

18.20 chs. dist. by traverse which appears at the end of these notes.

Note: The above U S L M was established and tie run on May 30, 1917.

Thence N. 49° 15' W.

Desc. 45 ft. over W. slope through dense oak brush.

4.50 Wire fence bears E. and W.

5.50 Wash, 50 lks. wide, course SW. Bottom of desc., asc.

95 ft. over bottom land.

7.00 Road bears NE. and SW.

8.50 Leave bottom land and ascend over steep E. slope.

13.50 Gulch, course S. 20° 00' E.

16.00 Top of steep ascent, brush becomes scattering.

20.00 Top of ridge bears N. and S., desc. 10 ft. to cor.



HOMESTEAD ENTRY SURVEY NO. 536

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains  
23.96

To cor. No. 1 the place of beginning.

AREA

Total area ----- 74.87 acres.

IMPROVEMENTS

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

An adobe house 30 x 24 ft., course of long side N. and S. the SE. cor. of which bears S. 66° 08' W., 6.45 chs. dist. from cor. No. 3.

Value ----- \$250.00

A galvanized iron store house 12 x 14 ft., course of long sides N. and S., the NE. cor. of which bears S. 70° 43' W., 5.70 chs. dist. from cor. No. 3.

Value ----- \$ 25.00

A dug well 25 ft. deep, the center of which bears S. 61° 31' W., 5.93 chs. dist. from cor. No. 3.

Value ----- \$ 75.00

A tent house 16 x 18 ft., course of long sides N. and S., the NE. cor. of which bears S. 83° 00' W. 8.10 chs. dist. from cor. No. 3.

Value ----- \$ 25.00

A galvanized iron shed 12 x 24 ft. course of long sides E. and W., the NE. cor. of which bears S. 84° 30' W., 8.50 chs. dist. from cor. No. 3.

Value ----- \$ 50.00

One mile of wire fencing.

Value ----- \$100.00

Total value of improvements ----- \$525.00

GENERAL DESCRIPTION

This claim is primarily suitable for stock raising.

CORONADO NATIONAL FOREST  
STATE OF ARIZONA.

Chains

The soil in the valley is a sandy loam, second rate, and produces meager crops of corn and beans. About 15 acres are now under cultivation. The soil on the hillsides is rocky and fit for pasture land only. The entire area not now under cultivation is covered with a dense growth of scrub oak and oak brush.

There is no merchantable timber on the claim.

Water for domestic use and for watering 100 head of cattle is obtained from a dug well.

There is no evidence of minerals on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims. H.E.S. 535 lies about 3/4 miles in a southeasterly direction, H.E.S. Nos. 290 and 291 about 1 mile in a northwesterly direction, and H.E.S. No. 303 about 3/4 mile in an easterly direction.

Sunnyside, Arizona, postoffice is about one mile NE. of the claim. Elgin, Arizona, the nearest railway point, is about 25 miles NW. of the claim and is reached by a rough wagon road.

TRAVERSE

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	N. 43° 03' E.	27.43	20.04		18.72	
2-3	N. 89° 48' E.	23.56	.08		25.56	
3-4	S. 34° 00' W.	43.17		35.79		24.14
4-1	N. 49° 13' W.	23.96	15.65			18.14
		118.12	35.77	35.79	42.28	42.28
				35.77	42.28	
	Error in Lat. and Dep.			.02	.00	

Closing error, 1:5906

TIE FROM COR. NO. 1 TO U.S.L.M. NO. 290 H. E. S.

N. 43° 03' E.	27.43	20.04		18.72	
N. 47° 58' W.	48.12	32.22			35.74
S. 89° 02' W.	62.74		1.06		62.73
		52.26	1.06	18.72	98.47
			51.20	79.75	
		52.26	52.26	98.47	98.47

Tie is N. 57° 18' W., 94.77 chs.

TIE FROM U.S.L.M. NO. 535 H. E. S. TO COR. NO. 4 H.E.S. 536

N. 38° 13' W.	41.14	32.32			25.45
S. 49° 13' E.	23.96		15.65	18.14	
		32.32	15.65	18.14	25.45
			16.67	7.31	
		32.32	32.32	25.45	25.45

Tie is S. 23° 41' E. 18.20 chs.

HOMESTEAD ENTRY SURVEY NO. 536

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

Survey completed May 28, 1917.

*W. H. Jones*  
Surveyor-Forest Service

Station	Angle	Distance	Bearing	Remarks
1	90° 00'	100.00	N 00° 00' W	...
2	90° 00'	100.00	...	...
3	90° 00'	100.00	...	...
4	90° 00'	100.00	...	...
5	90° 00'	100.00	...	...
6	90° 00'	100.00	...	...
7	90° 00'	100.00	...	...
8	90° 00'	100.00	...	...
9	90° 00'	100.00	...	...
10	90° 00'	100.00	...	...
11	90° 00'	100.00	...	...
12	90° 00'	100.00	...	...
13	90° 00'	100.00	...	...
14	90° 00'	100.00	...	...
15	90° 00'	100.00	...	...
16	90° 00'	100.00	...	...
17	90° 00'	100.00	...	...
18	90° 00'	100.00	...	...
19	90° 00'	100.00	...	...
20	90° 00'	100.00	...	...
21	90° 00'	100.00	...	...
22	90° 00'	100.00	...	...
23	90° 00'	100.00	...	...
24	90° 00'	100.00	...	...
25	90° 00'	100.00	...	...
26	90° 00'	100.00	...	...
27	90° 00'	100.00	...	...
28	90° 00'	100.00	...	...
29	90° 00'	100.00	...	...
30	90° 00'	100.00	...	...
31	90° 00'	100.00	...	...
32	90° 00'	100.00	...	...
33	90° 00'	100.00	...	...
34	90° 00'	100.00	...	...
35	90° 00'	100.00	...	...
36	90° 00'	100.00	...	...
37	90° 00'	100.00	...	...
38	90° 00'	100.00	...	...
39	90° 00'	100.00	...	...
40	90° 00'	100.00	...	...
41	90° 00'	100.00	...	...
42	90° 00'	100.00	...	...
43	90° 00'	100.00	...	...
44	90° 00'	100.00	...	...
45	90° 00'	100.00	...	...
46	90° 00'	100.00	...	...
47	90° 00'	100.00	...	...
48	90° 00'	100.00	...	...
49	90° 00'	100.00	...	...
50	90° 00'	100.00	...	...
51	90° 00'	100.00	...	...
52	90° 00'	100.00	...	...
53	90° 00'	100.00	...	...
54	90° 00'	100.00	...	...
55	90° 00'	100.00	...	...
56	90° 00'	100.00	...	...
57	90° 00'	100.00	...	...
58	90° 00'	100.00	...	...
59	90° 00'	100.00	...	...
60	90° 00'	100.00	...	...
61	90° 00'	100.00	...	...
62	90° 00'	100.00	...	...
63	90° 00'	100.00	...	...
64	90° 00'	100.00	...	...
65	90° 00'	100.00	...	...
66	90° 00'	100.00	...	...
67	90° 00'	100.00	...	...
68	90° 00'	100.00	...	...
69	90° 00'	100.00	...	...
70	90° 00'	100.00	...	...
71	90° 00'	100.00	...	...
72	90° 00'	100.00	...	...
73	90° 00'	100.00	...	...
74	90° 00'	100.00	...	...
75	90° 00'	100.00	...	...
76	90° 00'	100.00	...	...
77	90° 00'	100.00	...	...
78	90° 00'	100.00	...	...
79	90° 00'	100.00	...	...
80	90° 00'	100.00	...	...
81	90° 00'	100.00	...	...
82	90° 00'	100.00	...	...
83	90° 00'	100.00	...	...
84	90° 00'	100.00	...	...
85	90° 00'	100.00	...	...
86	90° 00'	100.00	...	...
87	90° 00'	100.00	...	...
88	90° 00'	100.00	...	...
89	90° 00'	100.00	...	...
90	90° 00'	100.00	...	...
91	90° 00'	100.00	...	...
92	90° 00'	100.00	...	...
93	90° 00'	100.00	...	...
94	90° 00'	100.00	...	...
95	90° 00'	100.00	...	...
96	90° 00'	100.00	...	...
97	90° 00'	100.00	...	...
98	90° 00'	100.00	...	...
99	90° 00'	100.00	...	...
100	90° 00'	100.00	...	...

- 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. 536, STATE OF Arizona

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.				DEPARTURES.				DOUBLE M. D.	N. AREAS.		S. AREAS.		
			NORTH.		SOUTH.		EAST.		WEST.							
1-2	N. 43° 03' E.	27.43 ✓	20	04			18	72			18	72	375	15		
2-3	N. 89° 48' E.	23.56 ✓		08			23	56			61	00	4	88		
3-4	S. 34° 00' W.	43.17 ✓			35	79			24	14	60	42			2161	22
4-1	N. 49° 13' W.	23.96 ✓	15	65					18	14	18	14	283	89		
		118.12	35	77	35	79	42	28	42	28			663	92	2161	22
															663	92
															20/ 1497	30
		Closing error 1:5906 ✓													74	87
																74.87 A.

87

APPROVAL

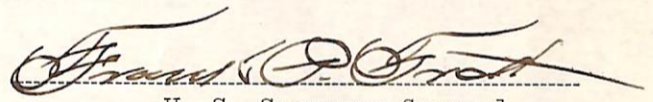
Office of the United States Surveyor General,

Phoenix, Arizona, April 10, 1920

The foregoing field notes of Homestead Entry Survey No.

536

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.