

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

23  
F.L.B. 1918

MAR 10 1918

MAR 9 1918

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 303

SITUATED IN THE **CORONADO** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 15 , unsurveyed, Township 23 S., Range 19 E.,

In Section 16 , unsurveyed, Township 23 S., Range 19 E.,

of the

**Gila and Salt River Base and Meridian.**

State of **ARIZONA**

Applicant for listing **Albert S. Gattrell,**

Residence **Sunnyside, Arizona**

Application No. **126** , dated **September 27** , 1908 ✓

List No. **3-560** , dated **July 5** , 1910 ✓

Applicant for survey **Albert S. Gattrell,**

Residence **Sunnyside, Arizona**

H. E. No. **012722** , dated **December 30** , 1910 ✓

**Office**  
Land **District** **Phoenix, Arizona**

Survey executed by **C. A. Long** Surveyor - Forest Service  
[Forest Service Title.]

Under special instructions dated **October 17** , 1914

Survey commenced **May 30** , 1917

Survey completed **May 31** , 1917

Under Acts of **June 11, 1906** and **August 11, 1916.**

1.2

OATH OF ASSISTANTS

We hereby certify that we assisted **C. A. Long**  
**Surveyor Forest Service** in surveying all those  
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **303**, 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 estab-  
lished, according to the instructions furnished by the United States  
Surveyor General for **ARIZONA**

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

*W. W. ...*  
-----

**Forest Ranger**

*H. L. Washburn*  
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**Chainman**

Subscribed and sworn to before me this 31<sup>st</sup> day of

*May*, 1917.

*C. A. Long*  
-----  
*Surveyor Forest Service*  
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OATH OF SURVEYOR

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

do solemnly swear that, in strict conformity with the special instruc-  
tions of the United States Surveyor General for **ARIZONA**, dated  
**October 17**, 1914, 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. **3-560**, dated **July 5**, 1910, for  
**PATENT**, under the Act of **June 11**, 1906,  
the same to be known as Homestead Entry Survey No. \_\_\_\_\_,  
situated within the \_\_\_\_\_ National Forest, in  
**un surveyed Section 15**, Township **23 S.**, Range **19 E.**, and  
**un surveyed Section 16**, Township **23 S.**, Range **19 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 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 **thirtieth** day of

**January**, 1918.

*Ethel M. Gitchell*  
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**Notary Public.**



## CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing Albert Gattrell; Application No. 126, dated September 27, 1908; List No. 3-560 dated July 5, 1910; Serial No. 012722 made in the Phoenix Land Office on December 30, 1910 by Albert Gattrell.

Surveyed under Special Instructions from the Surveyor General for Arizona, dated October 17, 1914 and designated as Homestead Entry Survey No. 303.

Located in unsurveyed T. 23 S., R. 19 E., G. & S. R. B. & Meridian, in what will probably be when surveyed, Secs. 15 and 16 within the Coronado National Forest, Arizona.

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

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Survey commenced May 30, 1917 and executed with a Buff and Buff Forest Service transit No. 10530 with full vertical circle. The horizontal limb has two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the vernier of the vertical circle.

I test the adjustments of the transit and make necessary corrections.

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

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May 30, 1917.

At cor. H-3 of the list survey, hereinafter described, at 6h.15m. p.m. l.m.t. I observe Polaris with telescope direct, reading an angle of  $6^{\circ} 53'$  from star to right to a well defined object on a peak 2 miles distant.

Latitude  $31^{\circ} 26'$  N. Long.  $110^{\circ} 24' 17'$  W. from Hereford

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

Quadrangle, U. S. G. S.

Greenwich m. t. U. C. Polaris May 30, 1917, 9h.00.5m.a.m.

Sidereal Correction 1.2

l.m.t. U. C. Pol. May 30, 1917, 8h.59.3m.

12 00.0

Astron. l.m.t. U.C. Pol. May 29, 1917 20 59.3

Astron. l.m.t. of obsn. May 29, 1917 30 15.0

Hour angle 9 15.3

Azimuth of Polaris at obsn. N. 0° 51' 37" W.

6° 53' 00"

Bearing of reference mark = N. 6° 01' 23" E.

At the same point at 6h. 18m. p.m. l.m.t. I again observe Polaris with telescope reversed, reading an angle of 6° 52" from star to right.

Astron. l.m.t. U.C. Pol. May 29, 1917 20h.59.3m. a.m.

Astron. l.m.t. of obsn. May 29, 1917 30 18.0

Hour angle 9 18.3

Azimuth of Polaris N. 0° 51' 00" W.

6° 52' 00"

Bearing of reference mark N. 6° 01' 00" E.

The bearing of reference mark as determined from the mean of the two observations is N. 6° 01' 11" E. and from the corresponding meridian all the courses of the survey were deflected.

BOUNDRIES OF CLAIM

May 31, 1917.

Beginning at cor. No. 1

Identical with cor. H-3 of the list survey, a sandstone 10 x 4 x 2 ins., surrounded by a mound of stone, marked and witnessed as described by the Forest Service. I destroy all trace of list cor., and at this point I set a sandstone 26 x 8 x 6 ins., 16 ins. in the ground

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

over a small stone marked with a cross, chiseled (+) at the point and 1-H E S 303 on side facing the claim: and raise a mound of stone, 2 ft. base, 1-1/2 ft high within the claim, 3-1/2 ft. dist. from cor., whence:

A pine, 16 ins. dia., blazed and scribed 1 H E S 303 + B T bears N. 49° 11' E., 55 lks. dist.

A pine, 8 ins. dia., blazed and scribed 1 H E S 303 + B T bears S. 40° 02' E., 49 lks. dist.

U. S. L. M. No. 300 H. E. S., a cross (+) on a quartzite boulder in place 6 x 6 x 5 ft. above ground, chiseled U S L M No 300 H E S on the S. face, with mound of stone, 7 ft. base, 4-1/2 ft. high, South 10 ft. dist., bears N. 29° 13' E. 62.09 chs. dist. by traverse which appears at the end of these notes.

Mag. decl. at 12h. 00m., noon, 13° 30' E. Mean. mag. decl. 13° 32' E.

Lat. 31° 26' N., Long. 110° 24' 17" W. from Hereford Quadrangle U.S. G. S.

Thence S. 49° 18' E.

Descend 5 ft.

1.80 Creek, 40 lks. wide, banks 1 ft. high, course SW.

Ascend 10 ft.

2.50 Road, bears NE. and SW.

6.99 To cor. No. 2

Identical with cor. H-4 of the list survey, a sandstone

Chains

6 x 3 x 6 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 sandstone 24 x 8 x 4 ins., 14 ins. in the ground, over a small stone marked with a cross, chiseled (+) at the point and 2 - H E S 303 on side facing the claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high within the claim, 3-1/2 ft. dist. from cor., whence:

A pine, 6 ins. dia., blazed and scribed  
2 H E S 303 + B T bears N. 27° 15' W.  
15 lks. dist.

A pine, 14 ins. dia., blazed and scribed  
2 H E S 303 + B T bears S. 47° 44' W.,  
80 lks. dist.

Thence S. 25° 43' W.

Along foot of steep NW. slope through scrub oak.

Descend 15 ft.

15.50 Fence bears E. and W.

37.15 Fence, bears NW. and SE. Enter cultivated land.

42.244 To Cor. No. 3.

Identical with cor. H-5 of the list survey, a granite stone 8 x 4 x 6 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 quartzite stone 24 x 8 x 6 ins., 14 ins. in the ground over a small stone marked with a cross chiseled (+) at the point and 3- H E S 303 on the side facing the claim; and raise a mound of stones 2 ft. base, 1-1/2 ft. high, within the claim, 3-1/2 ft. dist from cor. whence:

HOMESTEAD ENTRY SURVEY NO 303

CORONADO NATIONAL FOREST  
STATE OF ARIZONA

5.

Chains

A juniper 16 ins. dia., blazed and scribed

3 H E S 303 + B T bears S. 28° 41' W.,  
125 lks. dist.

A white oak 6 ins. dia., blazed and scribed

3 H E S 303 + B T bears S. 30° 28' E.,  
210 lks. dist.

Thence S. 73° 19' W.

Descend 10 ft.

3.10 Fence bears E. and W. Leave cultivated land.

Enter scrub oak bears east and west.

16.00 Sunnyside Creek, 50 lks. wide, banks 6 ft. high, course  
SW.

17.03 To Cor. No. 4.

Identical with cor. H-1 of the list survey a sandstone  
10 x 4 x 10 ins. above ground marked and witnessed as  
described by the Forest Service. I destroy all trace  
of the list cor. and at this point I set a porphyry  
stone 24 x 6 x 6 ins., 14 ins. in the ground over a  
small stone marked with a cross chiseled (+) at the  
point and 4-HES303 on side facing the claim; and  
raise a mound of stone 2 ft. base, 1-1/2 ft. high  
within the claim, 3-1/2 ft. dist. from cor. whence;

A black oak 8 ins. dia., blazed and scribed  
4 H E S 303 + B T bears N. 78° 10' E., 36 lks.  
dist.

A black oak 6 ins. dia., blazed and scribed  
4 H E S 303 + B T bears N. 0° 31' E.,  
50 lks. dist.

HOMESTEAD ENTRY SURVEY NO. 303

6.

CORONADO NATIONAL FOREST  
STATE OF ARIZONA

Chains  
 Thence N. 20° 58' E. . . . .  
 Through scattering oak. Ascend 5 ft. along W. bank of  
 creek. Road runs just outside of line.  
 14.30 To cor. No. 5.  
 Identical with cor. H-2 of the list survey, a sandstone  
 8 x 6 x 10 ins. above ground, marked and witnessed as  
 described by the Forest Service. I destroy all trace  
 of list cor. and at this point I set a sandstone  
 26 x 10 x 8 ins., 16 ins. in the ground over a small  
 stone marked with a cross chiseled (+) at the point  
 and 5-HES303 on side facing the claim; and raise a  
 mound of stone, 2 ft. base, 1-1/2 ft. high within the  
 claim, 3-1/2 ft. dist. from the cor. whence,  
 A juniper 6 ins. dia., blazed and scribed  
 5 H E S 303 + B T bears N. 38° 05' E.,  
 41 lks. dist.  
 A walnut 10 ins. dia., blazed and scribed  
 5 H E S 303 + B T bears S. 58° 25' E.,  
 77 lks. dist.

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21  
 Thence N. 35° 21' E.  
 Over level ground:  
 2.30 Road bears NE. and SSW.  
 12.10 Foot of hill, ascend 50 ft. through scrub oak.  
 22.40 Top of ridge bears NW. and SE.  
 Descend 35 ft.  
 41.88 To cor. No. 1, the place of beginning.

AREA:

Total area

53.26 acres.



Chains

IMPROVEMENTS.

The improvements made upon and for the benefit of this homestead consist of the following:

A frame school building, 18 x 24 ft., the long side of which bears NE. and SW. and the N. cor. of which bears S. 0° 30' E., 8.10 chs. dist. from cor. No. 1.

Value \$200.00

A frame cabin, 35 x 20 ft., the long side of which bears NE. and SW. and the N. cor. of which bears S. 17° 27' W., 9.81 chs. dist. from cor. No. 1.

Value \$200.00

A frame cabin, 14 x 12 ft., the long side of which bears NE. and SW. and the N. cor. of which bears S. 22° 00' W., 10.45 chs. dist. from cor. No. 1.

Value \$100.00

A frame cabin, 24 x 20 ft., the long side of which bears NE. and SW. and the N. cor. of which bears S. 19° 00' W., 10.92 chs. dist. from cor. No. 1.

Value \$175.00

A frame cabin, 60 x 30 ft., the long side of which bears NW. and SE. and the N. cor. of which bears S. 25° 40' W., 13.93 chs. dist. from cor. No. 1.

Value \$350.00

A frame dining room, 54 x 24 ft., the long side of which bears NW. and SE. and the N. cor. of which bears S. 18° 22' W., 12.00 chs. dist. from cor. No. 1.

Value \$250.00

A corrugated iron barn, 39 x 12 ft., the long side of which bears E. and W. and the NW. cor. of which bears S. 12° 35' W., 11.54 chs. dist. from cor. No. 1.

Value \$100.00

8.

NATIONAL FOREST  
CORONADO  
STATE OF ARIZONA

Chains

A well, 4 ft. diam. by 36 ft. deep, the center of which bears S. 13° 50' W., 10.00 chs. dist. from cor. No. 1.

Value \$75.00

A well, 4 ft. diam. by 20 ft. deep, the center of which bears S. 21° 40' W., 11.42 chs. dist. from cor. No. 1.

Value \$50.00

Approximately 2 miles of wire fence.

Value \$200.00

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DESCRIPTION.

This claim is located on what is locally known as Sunny-side Creek on comparatively level ground. At present, approximately one-third of the land is cleared and under cultivation. The remaining two-thirds is covered with scrub oak and scattering pine and is gradually being cleared by the claimant. The timber upon this place has no commercial value except for cordwood, and distance from any shipping point or market would make the cost of handling prohibitive.

Water for domestic and irrigation purposes is obtained from the wells on the homestead. The creek furnishes permanent water for stock purposes.

The country from northwest to southeast is mineralized, but no mineral showing has ever been obtained within two miles of this claim and there are no claims nearer than four miles.

43

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims. H. E. S.

300 lies approximately 1 mile in a Northerly direction from this survey. Sunnyside, Arizona, post office is located on this claim. Patagonia, Arizona, the nearest railroad station in the United States is 38 miles by wagon road in a Westerly direction.

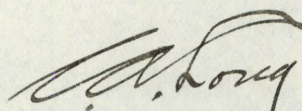
TRAVERSE

Course	Dist.	N.	S.	E.	W.
S. 49° 18' E.	6.99		4.56	5.30	
S. 25° 43' W.	42.24		38.06		18.33
S. 73° 19' W.	17.03		4.89		16.31
N. 20° 58' E.	14.30	13.35		5.12	
N. 35° 21' E.	41.88	34.16		24.23	
	122.44	47.51	47.51	34.65	34.64
		<u>47.51</u>		<u>34.64</u>	

Error in lat. and dep. .00 .01

Closing Error 1:12244

Survey completed May 31, 1917.



Surveyor, Forest Service.

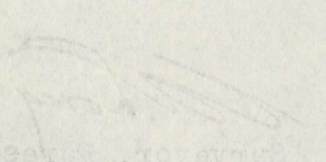
Chains

Chains

There are no partitions or adjoining claims...  
100 feet approximately...  
from this river...  
located on this side...  
tailored station in the United States...  
wagon road in a westerly direction.

Course	Dist.	Course	Dist.
21° 18'	10.00	21° 18'	10.00
75° 45'	15.00	75° 45'	15.00
78° 19'	17.00	78° 19'	17.00
50° 58'	14.00	50° 58'	14.00
55° 31'	11.00	55° 31'	11.00
-----			
84° 06'	13.00	84° 06'	13.00
84° 06'	13.00	84° 06'	13.00

river in lat. and long.  
Opening Error: 1.3224  
river corrected by 21, 1917.



Surveyor's West

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.  
3. In calculations for balancing fallings should be proportional to the lengths of the lines.  
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. 303, STATE OF ARIZONA, Albert T. Gattrell.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 49° 18' E.	6.99		4 56	5 30	4	64 00	291 84	
2-3	S. 25° 43' W.	42.24		38 06		18 33	50 96	1939 54	
3-4	S. 73° 19' W.	17.03		4 89		16 31	16 31	79 76	
4-5	N. 20° 58' E.	14.30	13 35		5 12		5 12		68 35
5-1	N. 35° 21' W.	41.88	34 16		24 23		34 47		1177 50
		122.44	47 51	47 51	34 65	34 64		2311 14	
			47 51	47 51	34 65	34 65		1245 85	
Closing error 1:12244								2)1065 29	53.26 A.
Tie from Cor No. 1 to U.S.L.M. No. 300 H. E. S.								532 64	
S. 25° 44' E.		3.79		3.41	1.65				
N. 26° 27' E.		64.33	57 60		28 65				
S. 29° 13' W.		62.09	57 60	3 41	30 30	30 30			
			54 19						
			57 60	57 60	30 30	30 30			

45

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Ariz., Mar. 21, 1918

The foregoing field notes of Homestead Entry Survey No.

303

executed by *C. A. Long, Surveyor* [Forest Service Title.]  
under his special instructions, dated *Oct. 17*, 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 P. Trott*

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.