

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

JUN 5 1917

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 366

SITUATED IN THE CHIRICAHUA NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 1 , unsurveyed, Township 21 S., Range 29 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

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Applicant for listing T. L. Piggs,  
Residence Chiricahua, Arizona  
Application No. 19 ✓ , dated February 26 , 19 08 ✓  
List No. 1510 ✓ , dated June 22 , 19 08 ✓

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Applicant for survey Don J. Cox, ✓  
Residence Chiricahua, Arizona  
H. E. No. , dated , 19  
Land District Phoenix, Arizona

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Survey executed by C. A. Long, Surveyor - Forest Service  
[Forest Service Title.]  
Under special instructions dated June 21 , 1915 ✓  
Survey commenced June 29 , 1915  
Survey completed June 29 , 1915

Under Acts of June 11, 1906 and June 30, 1914. ✓



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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. **336**, 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.

*Assistants*  
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*Head Chairman*  
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*J. W. Lewis*  
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*Head Chairman*  
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Subscribed and sworn to before me this **29th** day of **June**, 19 **15**.

*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 instructions of the United States Surveyor General for **Arizona**, dated **June 21**, 19 **15**, 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. 1510, dated June 22, 1908, and a tract of land upon the application of Don J. Cox,

Application **Patent**, No. **119**, dated **August 21**, 19 **13**, for the same to be known as Homestead Entry Survey No. **336**, situated within the **CHIRICAHUA** National Forest, in ~~un~~surveyed Section **1**, Township **21 S.**, Range **29 E.**, and ~~un~~surveyed Section **-----**, Township **-----**, Range **-----**,

of the **G. and S. R. B.** and **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*  
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*Surveyor Forest Service*  
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[Forest Service Title.]

Subscribed and sworn to before me this **31st** day of **March**, 19 **16**.

*Elise C. Myers*  
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*Notary Public*  
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8-2349

My Commission expires April 20, 1918.



CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, T. L. Piggs; Application No. 19,  
dated February 26, 1908; List No. 1510, dated June 22,  
1908.  
Also a tract of unlisted land adjoining List 1510 was  
included in this survey, upon application of the claim-  
ant, Don J. Cox, Application No. 119, dated August 21,  
1913, and will be listed as a basis for entry and patent.

Surveyed under special instructions from the Surveyor  
General for Arizona, dated June 21, 1915 and designated  
as Homestead Entry Survey No. 366.

Situated in what will probably be, when surveyed, sec. 1  
T. 21 S., R. 29 E., Gila and Salt River Base and Meri-  
dian, Chiricahua National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and June 30,  
1914.

Survey commenced June 29, 1915 and executed with a Buff  
and Buff transit No. 9699, equipped with a Smith solar  
attachment.

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

All measurements were made directly on the slope with a  
500 link steel tape and the slope angles were deter-  
mined with a clinometer.

June 29, 1915.

At 4h. 31.5m. a.m., l.m.t., I observe Polaris with teles-  
cope direct, and mark a point in the line of sight on a  
stake driven in the ground 10.00 chs. N. of my station.  
Lat.  $31^{\circ} 37' 50''$  N., Long.  $109^{\circ} 20.4' W.$ , from special  
instructions from the Surveyor General.



Chains Greenwich m.t. U. C. Pol., June 29, 1915, 7h. 03.8m. a.m.  
 Sidereal Correction, 01.2m.  
 7h. 02.6m.  
 Astron. l.m.t. U.C. Pol., June 28, 1915, 19h. 02.6m.  
 Astron. l.m.t. of obsn., June 28, 1915, 16h. 31.5m.  
 Hour Angle, 2h. 31.1m.  
 Bearing of star at obsn., N. 0° 50' 10" E.

June 29, 1915.

At 4h. 37.9m. a.m., l.m.t. at the above cor., I again observe Polaris with telescope reversed, and mark a point in the line of sight on a stake set in the ground 10.00 chs. N. of my station.

Greenwich m.t., U.C. Pol., June 29, 1915, 7h. 03.8m. a.m.  
 Sidereal Correction, 01.2m.  
 7h. 02.6m.  
 Astron. l.m.t. U.C. Pol., June 28, 1915, 19h. 02.6m.  
 Astron. l.m.t. of obsn., June 28, 1915, 16h. 37.9m.  
 Hour Angle, 2h. 24.7m.  
 Bearing of star at obsn., N. 0° 48' 14" E.

At 7h. 00m. a.m., l.m.t., I set off the azimuth of Polaris 0° 50' 10" to the West of point set in line of sight for first obsn., and mark the meridian thus determined by driving a tack in a stake set in the ground 10.00 chs. N. of my station. I also turn off 0° 48' 14" to the West of point set in line of sight of second obsn., and mark the meridian thus determined on the stake previously set. The meridian as marked on the ground from the two independent obsns. differ by 2/10 of an inch. I mark the mean of the two observations on the ground.



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In order to test the solar attachment, by comparing the results of observations made during a.m. and p.m. hours, I proceed as follows:

June 29, 1915.

At 8h. 00m. a.m., l.m.t., I set off  $23^{\circ} 17' 07''$  N. on decl. arc and  $31^{\circ} 37' 50''$  on Lat. arc, and determine a meridian with the solar at cor. No. 1 of this survey. The meridian as determined with the solar falls  $\frac{3}{10}$  of an inch East of the meridian as determined by Polaris observation.

At 3h. 15m. p.m., l.m.t., I set off  $23^{\circ} 16' 09''$  N. on decl. arc and  $31^{\circ} 37' 50''$  on the Lat. arc, and determine a meridian with the solar at cor. No. 1 of this survey, and my line of sight falls  $\frac{1}{10}$  of an inch East of the meridian as determined by Polaris observation.

The solar apparatus, by a.m. and p.m. observations, defines a mean position for meridian about 5" East of meridian determined by Polaris observations. Therefore, I conclude that the adjustments of my solar are satisfactory.

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June 29, 1915.

Beginning at cor. No. 1.

Set a sandstone 4 x 6 x 24 ins., 14 ins. in the ground, over a sandstone 2 x 3 x 3 ins. marked with a cross, chiseled 1 - H E S 366 on SW. face and a cross on top; and raise a mound of stone 3 ft. base, 2 ft. high,  $3\frac{1}{2}$  ft. dist. within the claim, whence:

A nail in a white oak, 16 ins. dia., bears  
S.  $85^{\circ} 35'$  E., 64 lks. dist.

A nail in a white oak, 16 ins. dia., bears  
S.  $31^{\circ} 30'$  W., 170 lks. dist.

Each blazed and scribed 1 H E S 366 B T.

The Std. cor. to secs. 35 and 36, on the 4th.

Std. Parallel South, T. 20 S., R. 29 E.,



## CHIRICAHUA NATIONAL FOREST

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94

Chains Gila and Salt River Base and Meridian, which is a limestone 8 x 8 x 16 ins., firmly set in a mound of stone and marked with 1 notch on E. face and 5 notches on W. face, bears N. 11° 06' W., 47.49 chs., by traverse which appears at the end of these notes.

The observed magnetic declination at 7:00 a.m. is 13° 30' E., which corrected for diurnal change gives a mean magnetic variation of 13° 26' E.

Latitude 31° 37' 50" N., Longitude 109° 20' 44" W., derived from special instructions from the Surveyor General.

Thence, S. 16° 18' W. Over unlisted land. Descend 40 ft. through scattering oak timber.

14.70 Cor. H-3 of the listing survey, which is a limestone 5 x 8 x 14 ins. set in a mound of stone, marked and witnessed as described by the Forest Service, bears West, 3.80 chs. I destroy all trace of this list cor.

19.00 Road, bears NW. and SE.

20.80 Buck Creek, a dry water course, 30 lks. wide, course SE. Bottom of descent and ascend 60 ft. to cor.

23.95 To cor. No. 2.

Set a conglomerate stone 12 x 12 x 18 ins. (no longer stone available) 10 ins. in the ground, over a limestone 1 x 3 x 3 ins. marked with a cross, chiseled 2 - H E S 366 on NW. face and a cross on top, for cor. No. 2 of this survey; and raise a mound of stone 3 ft. base, 2-1/2 ft. high, 3-1/2 ft. dist. within the claim, whence:

A nail in a black oak, 12 ins. dia., bears S. 68° 30' W., 36 lks. dist.

A nail in a black oak, 12 ins. dia., bears N. 4° 13' W., 103 lks. dist.

Each blazed and scribed 2 H E S 366 B T.



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Chains	Thence N. 60° 35' W. Over unlisted land. Ascend 15 ft. along gentle North slope; through dense oak brush and scattering oak timber.
2.50	Top of low ridge, bears N. and S. Descend 25 ft.
5.00	Cor. H-4 of the listing survey, which is a limestone 8 x 10 x 12 ins. in a mound of stone, marked and witnessed as described by the Forest Service, bears North 105 lks. dist. I destroy it and all witnesses thereto.
10.00	Draw, drains North. Bottom of descent and ascend 20 ft.
13.50	Top of spur, bears N. and S. and descend 40 ft. Oak brush becomes scattering.
15.80	Right bank of Buck Creek, 30 lks. wide, course N. 70° 00' E. Bottom of descent. Continue along dry creek bed.
16.80	Leave Buck Creek, bearing SE. and begin ascent of rocky NE. slope, 75 ft. high.
17.25	Cor. H-1 of the listing survey, which is a limestone 4 x 6 x 20 ins. set in a mound of stone, marked and witnessed as described by the Forest Service, bears North 55 lks. I destroy it and all witnesses thereto.
20.60	Top of rocky spur, bears N. and S. Descend 15 ft. to cor.
22.00	Arroyo, 15 ft. deep, 50 lks. wide, course NE.
22.73	To cor. No. 3. Set a granite stone 6 x 8 x 24 ins., 14 ins. in the ground, over a porphyry stone 1 x 5 x 5 ins., marked with a cross, chiseled 3 - H E S 366 on NE. face and a cross on top for cor. No. 3 of this survey; and raise a mound of stone 3 ft. base, 2-1/2 ft. high, 3-1/2 ft. dist. within the claim, whence:



Chains

A nail in a black oak, 6 ins. dia., bears  
N. 33° 50' E., 56 lks. dist.

A nail in a black oak, 10 ins. dia., bears  
N. 48° 50' W., 87 lks. dist.

Each blazed and scribed 3 H E S 366 B T.

At the above cor. at 12h. 03m. 02s. p.m., l.m.t., I set  
off 23° 16' 22" N. on the decl. arc and obtain a read-  
ing of 31° 37-1/2' on the Lat. arc.

At 2h. 30m. 00s. p.m., l.m.t., I set off 23° 16' 07" N.  
on decl. arc and 31° 37-1/2' on Lat. arc, and deter-  
mine a meridian with the solar at cor. No. 3.

Thence N. 10° 19' E.

Descend 75 ft. through dense oak brush and scattering  
oak timber. Over unlisted land.

4.20 Cor. H-2 of the listing, survey, which is a limestone  
14 x 15 x 16 ins. in a mound of stone, marked and wit-  
nessed as described by the Forest Service, bears  
East, 6.50 chs. I destroy it and all witnesses there-  
to.

5.00 Dry bed of Buck Creek, 20 lks. wide, course S. 70° 00' E.  
and ascend 100 ft. to cor.

5.95 Wire fence, bears S. 42° 00' E. and N. 42° 00' W. Oak  
brush becomes scattering.

15.48 To cor. No. 4.

Set a blue limestone 12 x 14 x 18 ins. (no longer  
stone available), 10 ins. in the ground, over a blue  
limestone 1-1/2 x 3-1/2 x 4 ins., marked with a cross,  
chiseled 4 - H E S 366 on SE. face and a cross on top  
for cor. No. 4 of this survey; and raise a mound of  
stone 3 ft. base, 2-1/2 ft. high, 3-1/2 ft. dist.



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within the claim, whence:

A nail in a black oak, 12 ins. dia., bears  
S. 57° 06' E., 298 lks. dist.

A nail in a juniper, 14 ins. dia., bears  
N. 25° 08' E., 274 lks. dist.

Each blazed and scribed 4 H E S 366 B T.

Thence S. 81° 54' E.

Over unlisted land. Descend 60 ft. through scattering undergrowth and scrub oak.

3.90 Wash, 8 lks. wide, course SE. Bottom of descent and ascend 40 ft.

7.00 Top of rocky spur denuded of all soil, bears N. 10° 00' E. and S. 10° 00' W. Descend 28 ft. to arroyo.

9.50 Bottom of descent. Arroyo, 100 lks. wide, 20 ft. deep, course SW. Ascend 50 ft.

17.00 Top of ridge, bears NW. and SE. Descend 65 ft. to cor.

22.70 Wire fence, bears N. 20° 00' E. and S. 20° 00' W.

22.85 Center of road to Chiricahua bears N. 20° 00' E. and S. 20° 00' W.

23.94 To cor. No. 1, and place of beginning.

AREA

Area listed - - - - - 8.00 acres

Area unlisted - - - - - 37.02 acres

Total Area - - - - - 45.02 acres

IMPROVEMENTS

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



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Chains	<p>A pole barn, 15 x 25 ft., course of long sides N. and S. The SE. cor. of which bears N. 35° 55' W., 16.65 chs. dist. from cor. No. 2.</p> <p>Value ----- \$ 25.00</p> <p>A pole corral, 45 ft. in dia., the center of which bears S. 68° 00' E., 6.60 chs. from cor. No. 3.</p> <p>Value ----- \$ 75.00</p> <p>An earth tank, 100 ft. square, course of sides N. and S. the SW. cor. of which bears S. 81° 45' E., 9.40 chs. dist. from cor. No. 3.</p> <p>Value ----- \$150.00</p> <p>A frame dwelling, 24 x 30 ft., course of long sides N. and S., the SW. cor. of which bears S. 87° 00' E., 8.60 chs. dist. from cor. No. 3.</p> <p>Value ----- \$500.00</p> <p>An adobe storehouse, 10 x 12 ft., the long sides N. and S., the SW. cor. of which bears N. 89° 10' E., 8.70 chs. dist. from cor. No. 3.</p> <p>Value ----- \$ 50.00</p> <p>An adobe storehouse, 8 x 10 ft., course of long sides E. and W., the SW. cor. of which bears N. 85° 30' E., 8.10 chs. from cor. No. 3.</p> <p>Value ----- \$ 40.00</p> <p>About one mile of barbed wire fencing.</p> <p>Value ----- \$125.00</p> <p>Total value of improvements ----- \$965.00</p>
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DESCRIPTION

This claim is located along Buck Creek, on rolling land. About 5 acres can be brought under cultivation; the remainder is good pasture land. About one acres has



CHIRICAHUA NATIONAL FOREST

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Chains been cultivated in the past.

The soil along the creek bottom is a gravelly loam and the hillsides a clay formation with large embedded stones, which is suitable for pasture only.

The claim is non-mineral in character.

The claim is covered with a scattering growth of oak timber, but it is most too small to be of any commercial value.

Numerous small seeps along the bed of Buck Creek supply sufficient water for domestic use and watering a few head of cattle through the greater part of the year, but the water is not permanent, frequently drying up in mid summer.

The claim is more suitable as a stock ranch than a farm, and it is being used for the former purpose.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims known.

Chiricahua, on the El Paso and Southwestern Railroad, is the nearest post office and trading place. It is about 20 miles dist. in an Easterly direction and is reached by a fair wagon road.

TRAVERSES

Cor.	Course	Dist.	N	S	E	W
1-2	S. 16° 18' W.	23.95		22.99		6.72
2-3	N. 60° 35' W.	22.73	11.16			19.80
3-4	N. 10° 19' E.	15.48	15.23		2.77	
4-1	S. 81° 54' E.	23.94		3.37	23.70	
		86.10	26.39	26.36	26.47	26.52
			26.36			26.47
Error in Lat. and Dep.			.03			.05

Closing error, 1:1476.



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Chains

Tie from cor. No. 1 to Std. Cor. to Secs. 35 and 36,

T. 20 S., R. 29 E. on 4th. Std. Parallel South.

Course Dist. N S E W

S. 16° 18' W. 23.95 22.99 6.72

N. 4° 19' W. 32.91 32.82 2.48

N. 0° 06' E. 36.77 36.77 0.06

69.59 22.99 0.06 9.20

22.99 0.06

N. 11° 06' W. 47.49 46.60 9.14

The Std. cor. to secs. 35 and 36 bears N. 11° 06' W.,

47.49 chs.

Survey completed June 29, 1915.

*Ca. Long*

Surveyor - Forest Service

Cor.	Course	Dist.	N	S	E	W
1-3	S. 16° 18' W.	23.95		22.99		6.72
2-3	N. 4° 19' W.	32.91	32.82			2.48
3-4	N. 0° 06' E.	36.77	36.77			0.06
4-1	N. 11° 06' W.	47.49	46.60			9.14
			69.59	22.99	0.06	9.20
			22.99		0.06	
			46.60			9.14

Error in Lat. and Dep. Closing error, 1:1456.







APPROVAL

Office of the United States Surveyor General,

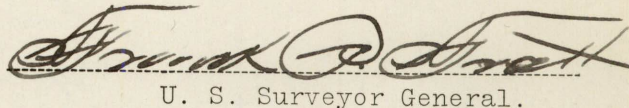
Phoenix, Arizona, June 14 , 1917.

The foregoing field notes of Homestead Entry Survey No.

366

executed by C. A. Long, Surveyor-Forest Service  
under his special instructions, dated June 21 , 1915, having  
been critically examined, and the necessary corrections and explanations  
made, the said field notes, and the surveys they describe, are hereby  
approved.

[Forest Service Title.]



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.