

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

JUN 2 - 1916

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 271

SITUATED IN THE CHIRICAHUA NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 24 , un surveyed, Township 21 S., Range 29 E.

In Section 25 , un surveyed, Township 21 S., Range 29 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing W. O. Reasonover,

Residence Chiricahua, Arizona

Application No. 25 ✓ , dated January 15 , 1908 ✓

List No. 1507 ✓ , dated June 18 , 1908 ✓

Applicant for survey R. O. Boss,

Residence Chiricahua, Arizona

H. E. No. 011608 ✓ , dated June 24 , 19 10 ✓

Land District Phoenix, Arizona

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

Under special instructions dated October 1 , 1914

Survey commenced June 7 , 1915

Survey completed June 9 , 1915

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

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. **271**, 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 expensive and incon-  
venient to appear before an  
officer to administer oaths  
to Assistants; hence, they  
were taken by the Surveyor.

*C. A. Long*  
\_\_\_\_\_  
*Asst. Chairman*  
\_\_\_\_\_  
*Chester Lee*  
\_\_\_\_\_  
*Head Chairman*  
\_\_\_\_\_

Subscribed and sworn to before me this **9th** day of  
**June**, 19**15**.

*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 instruc-  
tions of the United States Surveyor General for **Arizona**, dated  
**October 1**, 19**14**, 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. **1507**, dated **June 18**, 19**08**, for  
**Patent**, under the Act of **June 11**, 19**06**,  
the same to be known as Homestead Entry Survey No. **271**  
situated within the **CHIRICAHUA** National Forest, in  
**uns**urveyed Section **24**, Township **21 S.**, Range **29 E.**, and  
**uns**urveyed Section **25**, Township **21 S.**, Range **29 E.**,

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*  
\_\_\_\_\_  
**Surveyor - Forest Service**  
[Forest Service Title.]

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

*Elsie C. Meyer*  
\_\_\_\_\_  
**Notary Public**  
\_\_\_\_\_



CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, W. O. Reasonover; Application No. 25, dated January 15, 1908; List No. 1507, dated June 18, 1908; H. E. 011608, made in the Phoenix Land Office on June 24, 1910 by R. O. Boss.

Surveyed under special instructions from the Surveyor General for Arizona, dated October 1, 1914 and designated as Homestead Entry Survey No. 271.

Situated in what will probably be, when surveyed, secs. 24 and 25, T. 21 S., R. 29 E., of the Gila and Salt River Base and Meridian, Chiricahua National Forest, Arizona.

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

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Survey commenced June 7, 1915, and executed with a Buff and Buff transit No. 9699, equipped with Smith solar attachment.

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

The stadia is adjusted to read 1:132.

All measurements were made directly on the slope with a 500 link steel tape and the slope angles were determined with a clinometer, the horizontal distances alone appearing in these notes.

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June 7, 1915.

At my camp, which is located 10 chs. SE. of cor. No. 3 of the claim, in Lat.  $31^{\circ} 34' 50''$  N., Long.  $109^{\circ} 20' 55''$  W., derived from the Surveyor General's special instructions, I sight to an old snag on a hill about one mile NW. of my station, with the telescope direct, and the horizontal limb clamped at zero, and at 7h.

Chains 40m. p.m., l.m.t., I unclamp the plate and turn to the right until the vertical hair bisects Polaris, when I note that the horizontal limb reads  $23^{\circ} 26'$ . I repeat the above operation at 7h. 50.5m. p.m., l.m.t., with the telescope reversed, and note a reading of  $23^{\circ} 29' 30''$  on the horizontal limb.

Greenwich m.t. U.C. Pol., June 7, 1915, 8h. 29.9m.a.m.

Sidereal correction,	01.2m.
	<u>8h. 28.7m.</u>
Astron. l.m.t. U.C. Pol., June 6, 1915,	20h. 28.7m.
Astron. l.m.t. of obsn., June 6, 1915,	<u>31h. 40.0m.</u>
Hour angle,	11h. 11.3m.
Azimuth of Polaris at first obsn.,	N. $0^{\circ} 16' 12''$ W.
Add above angle,	<u><math>23^{\circ} 26' 00''</math></u>
Observed bearing of reference mark,	N. $23^{\circ} 42' 12''$ W.

(2)

Astron. l.m.t. U.C. Pol., June 6, 1915,	20h. 28.7m.
Astron. l.m.t. of obsn., June 6, 1915,	<u>31h. 50.5m.</u>
Hour angle,	11h. 21.8m.
Azimuth of Polaris at second obsn.,	N. $0^{\circ} 12' 36''$ W.
Add,	<u><math>23^{\circ} 29' 30''</math></u>
Observed bearing of reference mark,	N. $23^{\circ} 42' 06''$ W.

June 8, 1915.

At 6h. 30m. a.m., l.m.t., I turn off  $23^{\circ} 42'$  to the East of reference mark of last night's observation and mark the meridian on the ground by driving a tack in a stake set 5.00 chs. North of my station.

At 7h. 00m. a.m., l.m.t., I set off  $22^{\circ} 48' 15''$  N. on the decl. arc, and  $31^{\circ} 35'$  on the Lat. arc, and determine a meridian with the solar at my observation station, and my line of sight falls 0.25 of an inch West of the mark determined by Polaris observation.

## CHIRICAHUA NATIONAL FOREST

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Chains At 3h. 30.0m. p.m., l.m.t., I set off  $22^{\circ} 49' 41''$  N. on the decl. arc, and  $31^{\circ} 35'$  on the Lat. arc, and determine a meridian with the solar at my observation station, and my line of sight falls on the mark determined by Polaris observation.

The solar attachment, by a.m. and p.m. observations, defines positions for meridians that differ from the meridian as established by Polaris observation by  $13''$  of arc, therefore, I conclude that my solar is in satisfactory adjustment.

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June 8, 1915.

At 9h. 00m. a.m., l.m.t., I set off  $22^{\circ} 48' 02''$  N. on the decl. arc, and  $31^{\circ} 33'$  on the Lat. arc, and determine a meridian with the solar at the cor. to Ts. 21 and 22 S. between Rs. 29 and 30 E., G. and S. R. B. and M., which is a granite stone showing 6 x 12 x 12 ins. above ground, marked with 6 notches on N., E., S. and W. edges, with a mound of stone West of cor. Thence North.

On a random line bet. secs. 31 and 36.

40.30 Fall 67-1/2 lks. West of 1/4 sec. cor., a stone loosely set in a mound of stone and marked 1/4 on W. face.

I rebuild mound of stone around cor.

Return course S.  $0^{\circ} 58' W.$ , 40.30 chs.

I continue on course, measuring from Township cor.

80.33 Fall 67-1/2 lks. West of the cor. to secs. 25, 30, 31 and 36, a stone firmly set, marked and witnessed as described by the Surveyor General.

Return course South, 40.03 chs.

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## CHIRICAHUA NATIONAL FOREST

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- Chains At 10h. 30m. a.m., l.m.t., I set off  $22^{\circ} 48' 20''$  N. on the decl. arc, and  $31^{\circ} 34'$  on the lat. arc, and determine a meridian with the solar at the cor. to secs. 25, 30, 31 and 36, heretofore described.
- Thence North.
- On a random line bet. secs. 25 and 30.
- 40.22 Fall 44 lks. West of the  $1/4$  sec. cor. bet. secs. 25 and 30, which is a malpais stone  $6 \times 12 \times 13$  ins. loosely set in a mound of stone, marked  $1/4$  on W. face. I rebuild a large mound of stone around cor.
- At the above  $1/4$  sec. cor. I carefully level my instrument with the telescope bubble, and at 11h. 58m. 39s. a.m., l.m.t., I set off  $22^{\circ} 48-1/2'$  N. on the decl. arc, and obtain a reading of  $31^{\circ} 34-1/2'$  on the lat. arc.
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- At 2h. 00m. p.m., l.m.t., I set off  $22^{\circ} 49'$  N. on the decl. arc, and  $31^{\circ} 34-1/2'$  on the lat. arc, and determine a meridian with the solar at the  $1/4$  sec. cor. bet. secs. 25 and 30, heretofore described.
- Thence North.
- On a random line bet. secs. 25 and 30,  $N/2$ .
- 40.00 Make diligent search for the cor. to secs. 19, 24, 25 and 30. I find no trace of the original cor.
- Set temp. point.
- Thence North.
- On a random line bet. secs. 19 and 24,  $S/2$ , measuring from the  $1/4$  sec. cor.
- 80.06 Fall 22 lks. East of the  $1/4$  sec. cor. bet. secs. 19 and 24, which is a malpais stone  $12 \times 13 \times 16$  ins. loosely set in a small mound of stone, marked and

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STATE OF ARIZONA

Chains

witnessed as described by the Surveyor General. I  
rebuild mound of stone around cor.

Thence S. 0° 09' E.

On a true line bet. secs. 19 and 24, S/2.

40.03

Again make careful search for the cor. to secs. 19,

24, 25 and 30, finding no trace of it. I re-establish

this cor. as follows:

Set a malpais stone 4 x 16 x 22 ins., in a mound of  
stone, marked 4 notches on N. and 2 notches on S.

faces; and raise a mound of stone 3 ft. base, 2-1/2  
ft. high, 3-1/2 ft. dist. West of cor.

No bearing objects within limits.

Thence S. 0° 09' E.

On a true line bet. secs. 25 and 30, N/2.

80.06

The 1/4 sec. cor. bet. secs. 25 and 30, heretofore de-  
scribed.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1 and closing cor. on line bet.  
secs. 19 and 24.

Set a lava stone 5 x 18 x 26 ins., 16 ins. in the  
ground, over a lava stone 3 x 4 x 6 ins., marked with  
a cross, chiseled 1 - H E S 271 on NW. face, C C on  
W. face and a cross on top; and raise a mound of stone  
3 ft. base, 2-1/2 ft. high; 3-1/2 ft. dist. West of  
cor.

No bearing objects within limits. Pits  
impracticable.

The cor. to secs. 19, 24, 25 and 30, hereto-  
fore described, bears S. 0° 09' E., 2.01  
chs. dist.

1/4 sec. cor. bet. secs. 19 and 24, heretofore

Chains described, bears N. 0° 09' W., 38.02  
 chs. dist.  
 Cor. H-4 of the list survey, which is a  
 lava stone showing 6 x 14 x 15 ins. above  
 ground, marked and witnessed as described  
 by the Forest Service, bears N. 83° 00' E.,  
 61 lks. dist., which I destroy and all wit-  
 nesses thereto.  
 The small strip of this claim lying East of  
 the Range line was excluded to avoid in-  
 vading sec. 19.  
 The observed magnetic declination at this cor. at  
 5 o'clock p.m., was 13° 45' E. and corrected for  
 diurnal change is 13° 44' E. Lat. 31° 34' 50" N., Long.  
 109° 20' W.  
 Thence N. 0° 09' W.  
 Along Range line bet. secs. 19 and 24, S/2. Descend  
 8 ft. to creek, through scattering undergrowth.

9.90 Buck Creek, 20 lks. wide, course SE. Bottom of  
 descent, thence over level bottom land.

10.20 Begin ascent of low rocky spur, 15 ft. high.

14.50 Top of low rocky spur, bears E. and W., and descend NW.  
 slope 10 ft.

15.40 Buck Creek, 20 lks. wide, course SW. Bottom of  
 descent, thence over level land.

15.75 Wire fence, bears E. and W.

16.20 E. edge of circular earth tank.

17.70 Wire fence, bears E. and W.

19.50 Buck Creek, 20 lks. wide, course S. 20° 00' E.

20.25 To cor. No. 2, and closing cor. on line bet. secs.  
 19 and 24.  
 Set a lava stone 6 x 8 x 36 ins., 26 ins. in the  
 ground, over a sandstone 3 x 4 x 6 ins. marked with



CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains

a cross, chiseled 2 - H E S 271 on SW. face, C C on W. face and a cross on top; and raise a mound of stone 3 ft. base, 2-1/2 ft. high, 3-1/2 ft. dist. West of cor., whence:

A nail in a mesquite, 8 ins. dia., bears N. 33° 36' E., 242 lks. dist.

A nail in a mesquit, 18 ins. dia., bears N. 86° 57' E., 187 lks. dist.

Each blazed and scribed 2 C C H E S 271 B T.

Cor. H-1 of the listing survey, which is

a lava boulder in place, showing 12 x 36 x 40

ins. above ground, marked and witnessed as

described by the Forest Service, bears

N. 82° 49' E., 3.02 chs. dist. I destroy

it and all witnesses thereto.

The 1/4 sec. cor. bet. secs. 19 and 24,

heretofore described, bears N. 0° 09' W.,

17.77 chs. dist.

June 8, 1915.

June 9, 1915.

At 8h:00m. a.m., l.m.t., I set off 22° 53' 30" N. on the decl: arc and 31° 35' on the Lat. arc, and determine a meridian with the solar at cor. No. 2 of this survey.

Thence S. 82° 49' W.

Ascend 268 ft. over open land.

0.20 Buck Creek, 20 lks. wide, course S. 10° 00' E.

1.50 Dim road, bears N. 10° 00' W. and S. 10° 00' E.

6.50 Arroyo, 25 ft. deep, 150 lks. wide, course SE.

13.00 Foot of vertical rock bluff.

14.81 Top of rock bluff, and descend 225 ft. over steep

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Chains rocky SW. slope.

31.00 Bottom of descent, thence over rolling grazing land.

45.80 Wash, 15 lks. wide, course SW.

47.00 Dim road, bears N. and S.

50.00 Crest of hill, bears S., 10 chs. dist.

54.00 Wash, 10 lks. wide, course South. Ascend gradual slope 30 ft. to cor. Enter scattering oak timber.

72.85 Wash, 12 lks. wide, course SE.

76.88 To cor. No. 3.

Identical with list cor. H-2, which is a sandstone showing 6 x 12 x 16 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it and all witnesses thereto, and set a porphyry stone 14 x 14 x 25 ins., 15 ins. in the ground, over a porphyry stone 2 x 2-1/2 x 3 ins. marked with a cross, chiseled 3 - H E S 271 on SE. face and a cross on top; 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, 16 ins. dia., bears N. 9° 41' W., 113 lks. dist.

A nail in a black oak, 10 ins. dia., bears N. 77° 30' E., 247 lks. dist.

Each blazed and scribed 3 H E S 271 B T.

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Thence S. 0° 04' W.

Over open level grazing land, along East side of wire fence, 10 lks. dist.

19.99 To cor. No. 4.

Identical with list cor. H-3, which is a sandstone 8 x 9 x 13 ins. above ground, marked and witnessed as described by the Forest Service. I destroy it

## CHIRICAHUA NATIONAL FOREST

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Chains

and set a granite stone 14 x 16 x 28 ins., 18 ins. in the ground, over a porphyry stone 2 x 3-1/2 x 5 ins. marked with a cross, chiseled 4 - H E S 271 on NE. face and a cross on top; 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, 16 ins. dia., bears S. 15° 55' W., 188 lks. dist.

A nail in a black oak, 16 ins. dia., bears N. 77° 58' W., 218 lks. dist.

Each blazed and scribed 4 H E S 271 B T.

Thence N. 83° 00' W.

Descend 60 ft. over gradual slope, over open grazing land.

- 22.50 Wash, 40 lks. wide, course S. 20° 00' E. Bottom of descent, and ascend 12 ft. over South point of hill.
- 27.50 Top of low point of hill, bearing N. and S. Descend 10 ft. over East slope.
- 32.90 Bottom of descent. Thence over open level land.
- 33.00 Dim road, bears NE. and SW.
- 35.47 Wire fence, around tank, bears N. 20° 00' W. and S. 20° 00' E.
- 35.60 West side of earth tank.
- 36.60 East side of earth tank.
- 37.25 Wire fence, bears N. 20° 00' W. and S. 20° 00' E.
- 44.00 Begin steep ascent of rocky west slope.
- 62.30 Top of mountain 330 ft. high, bears N. and S., thence over table land.
- 64.00 Descend 400 ft. to cor. over steep rocky East slope.
- 75.30 Wire pasture fence, bears N. and S.

Chains  
76.96

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

AREA

Total Area - - - - - 153.60 acres

IMPROVEMENTS.

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

A windmill, over a dug well, 50 ft. deep, the center of which bears S. 6° 47' W., 2.66 chs. from cor. No. 2.

Value ----- \$250.00

A circular earth tank, 100 ft. in dia., the center of which bears S. 6° 47' W., 3.40 chs. dist. from cor. No. 2.

Value ----- \$200.00

A new frame barn (off the claim) 16 x 32 ft., course of long sides E. and W., the NW. cor. of which bears S. 72° 37' E., 74 lks. dist. from cor. No. 2.

Value ----- \$200.00

A pole corral, 50 x 100 ft., course of long sides E. and W., the SW. cor. of which bears S. 35° 40' E., 100 lks. dist. from cor. No. 2.

Value ----- \$ 50.00

A frame residence 12 x 20 ft., course of long sides N. and S., the NE. cor. of which bears S. 40° 30' W., 2.69 chs. from cor. No. 2.

Value ----- \$500.00

An adobe bunk house, 14 x 22 ft., course of long sides N. and S., the SE. cor. of which bears S. 61° 33' W., 2.34 chs. from cor. No. 2.

Value ----- \$ 75.00

An earth tank, 100 x 210 ft., course of long sides

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Chains	N. 20° 00' W. and S. 20° 00' E., the NW. cor. of which bears N. 81° 30' E., 35.70 chs. from cor. No. 4.
	Value ----- \$150.00
	About 2 miles of barbed wire fencing, the most of which is outside the claim.
	Value ----- \$300.00
	Total value of improvements ----- \$1725.00

GENERAL DESCRIPTION

This claim is located on a series of mountains covered with large loose rocks. About 20 acres could be put under cultivation, but it is more valuable as grazing land.

There is no timber of commercial value, or mineral on the claim.

None of the land has been cultivated in the past.

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

The soil on that portion of the claim level enough for plowing is a brown adobe, second class. The mountains are very rocky and unfit for farming.

Chiricahua, Arizona, on the El Paso and Southwestern Railway, is the nearest post office and trading place. It is about 10 miles distant, in an easterly direction and is reached by a rough wagon road.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

Chains	Course	Dist.	Lat.	Dep.	W
00. 1-2	N. 0° 09' W.	20.25	20.25	✓	0.05 ✓
2-3	S. 82° 49' W.	76.88	9.62	76.28	
3-4	S. 0° 04' W.	19.99	19.99	✓	0.02 ✓
00. 4-1	N. 83° 00' E.	76.96	9.38	76.39	
00. 2-1		194.08	29.63	29.61	76.39
			29.61		76.35

Error in Lat. and Dep. .02 .04

Closing error 1:4340.

Survey completed June 9, 1915.

*U. A. Long*  
Surveyor - Forest Service.



APPROVAL

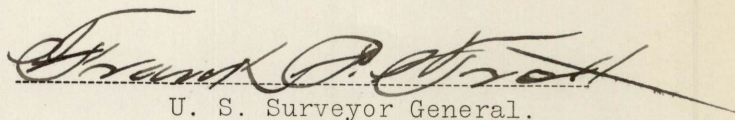
Office of the United States Surveyor General,

Phoenix, Arizona, June 4, 1917.

The foregoing field notes of Homestead Entry Survey No.

271

executed by C. A. Long, Surveyor - Forest Service [Forest Service Title.]  
under his special instructions, dated October 1, 1914, 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.

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Frank P. Trott  
U. S. Surveyor General.