

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

19
JUL 2 - 1916

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 272

SITUATED IN THE **CHIRICAHUA** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 35 , unsurveyed, Township 21 S., Range 29 E.

In Section 36 , unsurveyed, Township 21 S., Range 29 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing **George Burleson,** ✓
Residence **Chiricahua, Arizona.**
Application No. **29** ✓ , dated **March 1** , 19 **08** ✓
List No. **776** ✓ , dated **July 1** , 19 **08** ✓

Applicant for survey **Alvin L. Glenn,** ✓
Residence **Chiricahua, Arizona.**
H. E. No. **013428** ✓ , dated **February 23** , 19 **11** ✓
Land District **Phoenix, Arizona**

Survey executed by **C. A. Long,** Surveyor - Forest Service
[Forest Service Title.]
Under special instructions dated **October 1** , 19 **14** ✓
Survey commenced **June 4** , 19 **15**
Survey completed **June 6** , 19 **15**
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. **272**, 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.

Assisting
Rear Chairman
Chester A. Lee
Head Chairman

Subscribed and sworn to before me this **6th** day of
June, 1915.

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, 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. **776**, dated **July 1**, 1908, for
Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **272**,
situated within the **CHIRI CAHUA** National Forest, in
unsurveyed Section 35, Township **21 S.**, Range **29 E.**, and
unsurveyed Section 36, 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 **21st** day of
March, 1916.

Elsie C. Myers
Notary Public



CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, George Burleson; Application No. 29, dated March 1, 1908; List No. 776, dated July 1, 1908; H. E. 013428, made in the Phoenix Land Office on February 23, 1911 by Alvin L. Glenn.

Surveyed under special instructions from the Surveyor General for Arizona, dated October 1, 1914 and designated as Homestead Entry Survey No. 272.

Situated in what will probably be, when surveyed, secs. 35 and 36, T. 21 S., R. 29 E., Gila and Salt River Base and Meridian, Chiricahua National Forest, Arizona. Surveyed under the Acts of June 11, 1906 and June 30, 1914.

Survey commenced June 4, 1915, and executed with a Buff and Buff transit No. 9699, equipped with Smith solar attachment. Solar attachment not used.

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.

June 4, 1915.

My watch was compared with standard telegraphic time at 11h. 30m. a.m., today, and the necessary correction applied.

At cor. H-6 of the list, and what will be cor. No. 1 of this survey, in Latitude $31^{\circ} 33' N.$, Longitude $109^{\circ} 20' 30'' W.$, as derived from the Surveyor General's special instructions, I clamp the horizontal plate at zero and with telescope direct I sight to a well defined point on a mountain 1-1/2 miles dist., and at 6h. 45.8m. p.m., l.m.t., I unclamp the limb and turn

Chains to the East until the vertical hair bisects Polaris,
the resulting angle between reference mark and Polaris
is $9^{\circ} 17'$.
Greenwich m.t. U.C. Pol., June 4, 1915, 8h. 41.7m.a.m.
Sidereal Correction, 01.2m.
8h. 40.5m.
Astron. l.m.t. U.C. Pol., June 3, 1915, 20h. 40.5m.
Astron. l.m.t. of obsn., June 3, 1915, 30h. 45.8m.
Hour angle, 10h. 05.3m.
Azimuth of Polaris at obsn., $179^{\circ} 22' 06''$ ✓
Subtract, $9^{\circ} 17' 00''$
Azimuth of reference mark, $170^{\circ} 05' 06''$, or
a bearing of $N. 9^{\circ} 54' 54'' W.$ ✓

(2)
At 6h. 51.6m. p.m., l.m.t., I again observe Polaris as
already described, with telescope reversed, and obtain
an angle of $9^{\circ} 19'$ between reference mark and Polaris.
Astron. l.m.t. U.C. Pol., June 3, 1915, 20h. 40.5m.
Astron. l.m.t. of obsn., June 3, 1915, 30h. 51.6m.
Hour angle, 10h. 11.1m.
Azimuth of Polaris at obsn., $179^{\circ} 23' 54''$ ✓
Subtract, $9^{\circ} 19' 00''$
Azimuth of reference mark, $170^{\circ} 04' 54''$, or
a bearing of $N. 9^{\circ} 55' 06'' W.$ ✓

The bearing of reference mark as determined by taking
the mean of the two observations, is $N. 9^{\circ} 55' 00'' W.$,
and to the corresponding meridian all the courses of
this survey are referred.

June 5, 1915.

RETRACEMENTS

Beginning at the cor. to Ts. 21 and 22 S., Rs. 29 and 30
E., which is a granite stone 8 x 12 x 12 ins. above
ground, firmly set, marked and witnessed as described

CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains

by the Surveyor General.

Thence West.

On a random line bet. secs. 1 and 36.

39.95 Fall 16 lks. S. of the remains of old 1/4 sec. cor.,
 which is a granite stone 8 x 12 x 16 ins. lying loose
 in a small mound of stone and marks nearly obliterated.
 To restore it in the same place, I set a porphyry
 stone 5 x 14 x 26 ins., 16 ins. in the ground, marked
 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W.;
 and raise a mound of stone 4 ft. base, 3 ft. high, N.
 of cor. and place the old 1/4 cor. alongside the new
 cor.
 Return course S. 89° 46' E., 39.95 chs.

Thence N. 45° 39' W.

For a tie to claim cor.

11.54 To cor. H-6 of the list survey, hereinafter described,
 and what will be cor. No. 1 of this survey.

BOUNDARIES OF CLAIM

June 5, 1915.

Beginning at cor. No. 1.

Identical with cor. H-6 of the list survey, which is
 a porphyry stone 8 x 10 x 12 ins. above ground, marked
 and witnessed as described by the Forest Service. I
 destroy all trace of this list cor. Deposit a por-
 phyry stone 2 x 2 x 2 ins. marked with a +, 26 ins.
 in the ground, over which set a porphyry stone 8 x 16
 x 36 ins. chiseled + for the point and 1 - H E S 272
 on NW. face; dig pits 24 x 24 x 12 ins. on each line
 7 ft. dist.; and raise a mound of earth and stone 4 ft.
 base, 3 ft. high, NW. of cor., whence:

A nail in a white oak, 8 ins. dia., blazed and
 scribed 1 H E S 272 B T, bears N. 43° 30' E.,

Chains	<p>285 lks. dist.</p> <p>No other bearing objects within limits.</p> <p>The 1/4 sec. cor. bet. secs. 1 and 36, heretofore described, bears S. 45° 39' E., 11.54 chs. dist., by direct measurement. Lat. 31° 33' N., Long. 109° 20' 30" W. The observed magnetic declination at 11h. 00m. a.m., is 13° 30' E., which corrected for diurnal change gives a mean magnetic declination of 13° 32' E.</p> <p>Thence N. 61° 40' W.</p> <p>Over open level bottom land.</p> <p>9.00 Begin steep ascent of NE. slope.</p> <p>18.50 Top of hill, 25 ft. high. Descend 45 ft. to cor., over gradual North slope.</p> <p>32.50 To cor. No. 2.</p> <hr/> <p>A granite stone in place, showing 14 x 24 x 24 ins. above ground. I cut a cross on top for cor. point and 2 - H E S 272 on NE. face; and raise a mound of stone 4 ft. base, 3 ft. high, NE. of cor., whence:</p> <p>A nail in a white oak, 16 ins. dia., bears S. 13° 55' E., 125 lks. dist.</p> <p>A nail in a white oak, 10 ins. dia., bears S. 78° 51' W., 173 lks. dist.</p> <p>Each blazed and scribed 2 H E S 272 B T.</p> <p>Cor. H-5 of the list survey, which is a granite stone 24 x 24 x 30 ins. above ground, marked and witnessed as described by the Forest Service, bears North, 5 lks. dist. I destroy all trace of this list cor.</p> <hr/> <p>Thence N. 8° 15' W.</p> <p>Descend 10 ft. over gradual N. slope, over open land.</p> <p>1.25 Bottom of descent, thence over level land, through scattering mesquit,</p> <p>5.40 Road, bears NE. and SW.</p>
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TECHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains
11.00

To cor. No. 3.

Identical with cor. H-4 of the list survey, which is a malpais stone 4 x 8 x 13 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a porphyry stone 2 x 3 x 5 ins., marked with a +, 14 ins. in the ground, over which set a malpais stone 12 x 14 x 22 ins. (no longer stone available) chiseled + for the point and 3 - H E S 272 on NE. face; dig pits 24 x 24 x 12 ins. on each line 7 ft. dist.; and raise a mound of earth and stone 4 ft. base, 3 ft. high, NE. of cor.

June 5, 1915.

June 6, 1915.

Thence N. 72° 01' W.

Over open level land, through scattering mesquit.

6.00 Wash, 60 lks. wide, 7 ft. deep, course S. 20° 00' W.

9.00 Arroyo, 50 lks. wide, 40 ft. deep, course S. 10° 00' W.

12.92 To cor. No. 4.

Identical with cor. H-3 of the list survey, which is a malpais stone 9 x 10 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a porphyry stone 3 x 3 x 4 ins. marked with a +, 14 ins. in the ground, over which set a red sandstone 12 x 12 x 23 ins. (no longer stone available), chiseled + for the point and 4 - H E S. 272 on NE. face; and raise a mound of stone 4 ft. base, 3 ft. high, NE. of cor., whence:

A nail in a white oak, 12 ins. dia., bears

Chains	<p>N. 10° 31' E., 297 lks. dist., marked 4 H E S 272 B T. No other bearings available. Pits impracticable.</p> <hr/> <p>Thence N. 15° 09' E. Over open level land, through scattering mesquit. 5.00 Arroyo, 50 lks. wide, 40 ft. deep, course S. 20° 00' E. 14.95 To cor. No. 5. Identical with cor. H-2 of the list survey, which is a malpais stone 7 x 8 x 15 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a granite stone 1 x 3 x 5 ins., marked with a +, 17 ins. in the ground, over which set a blue limestone 9 x 9 x 27 ins. chiseled + for the point and 5 - H E S 272 on SE. face; and raise a mound of stone .4 ft. base, 3 ft. high, SE. of cor., whence: A nail in a white oak, .18 ins. dia., bears N. 37° 36' W., 97 lks. dist. A nail in a white oak, 10 ins. dia., bears S. 68° 45' W., 117 lks. dist. Each blazed and scribed 5 H E S 272 B T.</p> <hr/> <p>Thence S. 77° 29' E. Over open level land, through scattering mesquit. 12.75 Wash, 10 lks. wide, 2 ft. deep, course South. 13.00 Road, bears N. and S. 14.80 Road, bears NW. and SE. 15.50 Ascend 125 ft. to cor., over steep and rocky S. slope. Enter scattering oak timber. 39.83 To cor. No. 6.</p>
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CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains

A porphyry stone in place, showing 4 x 18 x 24 ins. above ground, I cut a cross at cor. point and chisel 6 - H E S 272 on SW. face; and raise a mound of stone 4 ft. base, 3 ft. high, SW. of cor., whence:

A nail in a white oak, 10 ins. dia., bears S. 32° 07' E., 51 lks. dist.

A nail in a white oak, 14 ins. dia., bears S. 83° 18' W.; 35 lks. dist.

Each blazed and scribed 6 H E S. 272 B.T.

Cor. H-1 of the list survey, which is a porphyry stone 14 x 18 x 24 ins. above ground, marked and witnessed as described by the Forest Service; bears South, 10 lks. dist. I destroy all trace of this list cor.

Thence S. 0° 30' W.

Descend 80 ft. to wash, over steep rocky S. slope through scattering oak timber.

- 2.07 Wire fence, bears NE. and SW.
- 4.75 Wash, 15 lks. wide, course S. 70° 00' W. Bottom of descent. Ascend 25 ft. over steep rocky N. slope.
- 14.50 Top of ascent. Descend 40 ft. along rocky W. slope.
- 27.00 Bottom of descent. Leave oak timber, thence over open level land.
- 27.52 Wire fence, bears N. 70° 00' W. and S. 70° 00' E.
- 36.05 To cor. No. 1, the place of beginning.

AREA

Total Area ----- 110.97 acres.

Chains

IMPROVEMENTS

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

An earth dam, 150 x 180 ft., course of long sides E. and W., the SW. cor. of which bears S. 88° 50' E., 7.20 chs. dist. from cor. No. 3.

Value ----- \$350.00

A pole corral, 75 x 100 ft., course of long sides N. and S., the SW. cor. of which bears N. 85° 20' E., 5.55 chs. dist. from cor. No. 3.

Value ----- \$150.00

A dug well, 25 ft. deep, center of which bears S. 46° 21' W., 9.25 chs. dist. from cor. No. 6.

Value ----- \$ 75.00

A frame barn, 14 x 20 ft., course of long sides E. and W., the NE. cor. of which bears S. 36° 02' W., 5.93 chs. dist. from cor. No. 6.

Value ----- \$150.00

A frame saddle house, 12 x 14 ft., course of long sides N. and S., the NW. cor. of which bears S. 47° 32' W., 6.75 chs. dist. from cor. No. 6.

Value ----- \$125.00

A frame residence, 14 x 30 ft., course of long sides N. and S., the NE. cor. of which bears S. 49° 36' W., 7.20 chs. dist. from cor. No. 6.

Value ----- \$500.00

A pole corral, 40 x 100 ft., course of long sides E. and W., the NW. cor. of which bears S. 37° 03' W., 4.90 chs. dist. from cor. No. 6.

Value ----- \$ 75.00

About one mile of barbed wire fencing.

CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains

Value ----- \$150.00

Total value of improvements ----- \$1575.00

GENERAL DESCRIPTION

This claim is located in a rolling valley surrounded by low rocky hills. About 75 per cent of the area can be cultivated.

The soil is a sandy loam, second rate, about 10 acres have been under cultivation heretofore, producing fair crops of grain and vegetables.

There is no water for irrigation and the rainfall is ordinarily too scant to render farming a profitable venture in this locality.

This claim is a good stock ranch, for which purpose it is being used.

A dug well near claimant's house furnishes nearly enough water for domestic purposes, but it frequently goes dry in the late summer. An earth tank catches sufficient surface water to water about 200 head of stock.

There are only a few scattering oak trees on the claim. There is no evidence of any mineral deposits on the claim.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicts or adjoining claims.

Chiricahua, Arizona, on the El Paso and Southwestern Railroad, is the nearest post office and trading place. It is about 12 miles distant in a southeasterly direction and is reached by a rough wagon road.

TRICHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains	Cor.	Course	Dist.	N	S	E	W
1-2	N. 61° 40'	W.	32.50	15.43			28.60
2-3	N. 8° 15'	W.	11.00	10.89			1.58
3-4	N. 72° 01'	W.	12.92	3.99			12.29
4-5	N. 15° 09'	E.	14.95	14.43		3.91	
5-6	S. 77° 29'	E.	39.83		8.63	38.88	
6-1	S. 0° 30'	W.	36.05		36.05		.31

147.25 44.74 44.68 42.79 42.78
44.68 42.78

Error in Lat. and Dep. .06 .01

Closing error, 1:2421.

C. A. Long
 Surveyor - Forest Service

There are only a few scattering oak trees on the claim. There is no evidence of any mineral deposits on the claim.

There are no conflicts or adjoining claims.

Christiana, Arizona, on the M. I. and Southern Railway, in the nearest post office and trading place. It is about 18 miles distant in a southerly direction and is reached by a rough wagon road.

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. 272, STATE OF ARIZONA

8-2540

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1-2	N. 61° 40' W.	32.50	15 43			28 60	356 34	868 20			
2-3	N. 8° 15' W.	11.00	10 89			1 58	26 16	284 88			
3-4	N. 72° 01' W.	12.92	3 99			12 29	12 29	49 04			
4-5	N. 15° 09' E.	14.95	14 43		3 91		3 91	56 38			
5-6	S. 77° 29' E.	39.83		8 63	38 88		46 69			403 87	
6-1	S. 0° 30' W.	36.05		36 05		0 31	85 25			3074 12	
		147.25	44 74	44 68	42 79	42 78		1258 50		3477 99	
			44 71	44 71	42 78	42 78				1258 50	
										2219 49	
										1199-74	
										110 97	acres.
	Closing error 1:2421										

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EM

APPROVAL

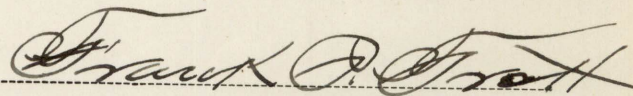
Office of the United States Surveyor General,

Phoenix, Arizona, June 4 , 1917.

The foregoing field notes of Homestead Entry Survey No.

272

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.

Frank P. Trott,
U. S. Surveyor General.