

129

JUN 2- 1916

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

DEC 5- 1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 277

SITUATED IN THE **CHIRICAHUA** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 7 , **un**surveyed, Township 17 S. , Range 30 E.

of the

Gila and Salt River Base and Meridian.

State of **ARIZONA**

Applicant for listing **Francis H. Hands,**

Residence **Light, Arizona**

Application No. 1 ✓ , dated **August 11** , 19 06 ✓

List No. 1497 ✓ , dated **June 18** , 19 08 ✓

Applicant for survey **Francis H. Hands,**

Residence **Light, Arizona**

H. E. No. 04968 ✓ , dated **February 19** , 1909 ✓

Office
Land District **Phoenix, Arizona**

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

Under special instructions dated **October 8** , 19 14 ✓

Survey commenced **July 13** , 19 15

Survey completed **July 16** , 19 15

Under Acts of **June 11, 1906 and March 4, 1915.** ✓

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. **277**, 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
the oaths to Assistants;
hence, they were taken
by the Surveyor.**

[Signature]

[Signature]

J. W. Lewis

[Signature]

[Signature]

Subscribed and sworn to before me this **16th** day of
July, 19 **15**.

[Signature]

[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 instruc-
tions of the United States Surveyor General for **ARIZONA**, dated
October 8, 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. **1497** ✓, 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. **277** ✓,
situated within the **CHIRICAHUA** National Forest, in
un surveyed Section **7**, Township **17 S.**, Range **30 E.**, and
- surveyed Section **- - -**, Township **- - -**, Range **- - -**,

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.

[Signature]

[Signature]

Surveyor - Forest Service
[Forest Service Title.]

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

[Signature]

[Signature]



CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Francis H. Hands; Application No. 1 dated August 11, 1906; List No. 1497, dated June 18, 1908; H. E. 04968 made in the Phoenix Land Office on February 19, 1909 by Francis H. Hands.

Surveyed under special instructions from the Surveyor General for Arizona dated October 8, 1914 and designated as Homestead Entry Survey No. 277.

Situated in what will probably be when surveyed Sec. 7, T. 17 S., R. 30 E., Gila and Salt River Base and Meridian, Chiricahua National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1915.

Survey commenced July 13, 1915, and executed with a Buff and Buff transit No. 9699.

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.

July 13, 1915.

At the 1/4 sec. cor. on the E. bdy. of Sec. 12, T. 17 S.,

Rs. 29 and 30 E., which is a limestone 6 x 8 x 8 ins.

above ground, firmly set and marked 1/4 on W. face,

with mound of stone W. of cor. Evidently this 1/4 sec.

cor. was restored by the U. S. G. S. when the Forest

boundary was established in 1906, as the original de-

scription as furnished by the Surveyor General calls

for a wooden post. Lat. 31° 57' 40" N. Long. 109° 19'

32" W. derived from the Surveyor General's instructions,

and verified by a General Land Office map.

CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains

I clamp the horizontal limb at zero, and with telescope direct, I sight to a well defined mark on a mountain about 40.00 chains dist, and at 7h. 19.3m. p.m., l.m.t., I unclamp the plate and turn to the east until the vertical hair bisects Polaris. The resulting angle between the reference mark and Polaris is $25^{\circ} 29' 00''$.

Greenwich m.t., U.C. Polaris, July 13, 1915 6h. 09.0m. a.m.

Sidereal correction 1.2m.

6h. 07.8m.

Astron. l.m.t., U.C. Polaris, July 12, 1915 18h. 07.8m.

Astron. l.m.t. of obsn., July 12, 1915 31h. 19.3m.

Hour angle, 13h. 11.5m.
 23h. 56.1m.

Time argument 10h. 44.6m.

Azimuth of Polaris at obsn. $180^{\circ} 25' 24''$

$25^{\circ} 29' 00''$

Azimuth of reference mark $154^{\circ} 56' 24''$ ✓

or a bearing of N. $25^{\circ} 03' 36''$ W. ✓

(2)

At 7h. 24.7m., p.m., l.m.t., I again observe Polaris as

above described, with telescope reversed and obtain an angle of $25^{\circ} 30' 30''$ between reference mark and Polaris.

Astron. l.m.t., U.C. Polaris, July 12, 1915 18h. 07.8m.

Astron. l.m.t. of obsn., July 12, 1915 31h. 24.7m.

Hour angle 13h. 16.9m.
 23h. 56.1m.

Time argument 10h. 39.2m.

Azimuth of Polaris at obsn. $180^{\circ} 27' 12''$
 $25^{\circ} 30' 30''$

Azimuth of reference mark $154^{\circ} 56' 42''$

or a bearing of N. $25^{\circ} 03' 18''$ W. ✓

The mean of the two observations gives a bearing of

N. $25^{\circ} 03' 27''$ W., and to the corresponding meridian

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STATE OF ARIZONA

Chains

all the courses of this survey are referred.

July 14, 1915.

Retracements.

- From the 1/4 sec. cor. on E. bdy. Sec. 12, heretofore described, I run south
- On a random line on E. bdy. Sec. 12, T. 17 S., R. 29 E.
- 20.06 Forest Boundary Post No. 62, an iron post 3 ins. diam. firmly set in the ground.
- 40.18 The cor. to Secs. 7, 12, 15 and 18, a limestone 8 x 8 x 12 ins. above ground, firmly set and marked with 2 notches on N. and 4 notches on S. faces and witnessed by a mound of stone W. of cor.
- Thence North
- On a true line bet. Secs. 7 and 12.
- 20.12 Forest Boundary Post No. 62 heretofore described.
- 34.88 Set temp. point for Cor. No. 1 of the claim.
- 40.18 The 1/4 Sec. Cor. bet. Secs. 7 and 12.
- Thence North
- On a random line bet. Secs. 7 and 12.
- 0.47 Forest Boundary Post No. 61, an iron post 3 ins. diam. firmly set in the ground.
- 39.54 The Cor. to Secs. 1, 6, 7 and 12, a wooden post 4 ins. square firmly set in a mound of stone, marked and witnessed as described by the Surveyor General.
- Thence South
- On a true line between Secs. 7 and 12.
- 19.75 Set temp. point for cor. No. 2 of the claim.
- 39.07 Forest Boundary Post No. 61 heretofore described.
- 39.54 The 1/4 Sec. Cor. bet. Secs. 7 and 12.

July 14, 1915.

Chains	<u>Boundaries of Claim.</u>
July 15, 1915.	Beginning at Cor. No. 1 and CC on line bet. Secs. 7 and
12.	Deposit a porphyry stone 1 x 3 x 5 ins. marked with a
+ 16 ins. in the ground, over which set a schist stone	5 x 6 x 26 ins. chiseled + for the point and 1 - H E S
.277 on NE. face and CC on the E. face; raise a mound	of stone 4 ft. base, 3 ft. high E. of cor. whence:
A nail in a juniper 16 ins. dia., bears S. 82°	17' E., 46 lks. dist.
A nail in a black oak 10 ins. dia., bears S. 12°	13' E., 17-1/2 lks. dist.
Each blazed and scribed CC 1 H E S 277 B T.	The Cor. to Secs. 7, 12, 13 and 18, heretofore
described, bears south 34.88 chains dist.	Cor. H-1 of the list survey which is a lime-
stone 6 x 8 x 20 ins. above ground, marked	and witnessed as described by the Forest Ser-
vice bears N. 80 lks. dist. I destroy all trace	of this list cor.
Lat. 31° 57' 40" N. Long. 109° 19' 32" W. from special	instructions from the Surveyor General, and verified by
a General Land Office map.	The observed magnetic declination at 8h. 00m., a.m., is
14° 15' E., which corrected for diurnal change gives	a mean magnetic declination of 14° 11' E.
Thence North bet. Secs. 7 and 12. Ascend 180 feet to cor.	along E. side of wire fence 5 lks. dist. through dense
oak brush.	0.80 Wire fence bears E. and W.
5.30 The 1/4 sec. cor. bet. secs. 7 and 12 heretofore de-	scribed.
5.77 Forest Boundary Post No. 61 heretofore described.	5.90 County road bears E. and W. Gate in fence is 5 lks. west.

CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains

25.09

To Cor. No. 2 and closing cor. on line bet. Secs. 7 and 12.

Deposit a limestone 1 x 2 x 2 ins. marked with a + 14 ins. in the ground, over which set a limestone 8 x 12 x 20 ins. (no longer stone available) chiseled + for the point and 2 - H E S 277 on SE. face and CC on E. face; raise a mound of stone 3 ft. base, 2-1/2 ft. high E. of cor. whence:

A nail in a white oak 20 ins. dia. bears S. 20° 45' E., 14 lks. dist.

A nail in a juniper 8 ins. dia., bears N. 38° 03' E., 16 lks. dist.

Each blazed and scribed CC 2 H E S 277 B T

The Cor. to Secs. 1, 6, 7 and 12 heretofore described bears North 19.75 chains dist.

Cor. H-8 of the list survey, which is a limestone 6 x 8 x 10 ins. above ground, marked and witnessed as described by the Forest Service bears W. 4 lks. dist. I destroy all trace of this

list cor.

Thence S. 81° 00' E.

Descend 45 ft. thru dense oak brush.

18.75 Arroyo, 75 lks. wide, 15 ft. deep, course S. 10° 00' W.

26.25 Wash, 10 lks. wide, course S. 30° 00' W. Bottom of descent. Ascend 140 ft.

31.00 Arroyo, 50 lks. wide, 15 ft. deep, course south.

36.70 Wash, 10 lks. wide, course SW.

61.00 Arroyo, 50 lks. wide, 20 ft. deep, course SW. Begin steep ascent of low rocky spur.

72.25 Cor. H-7 of the list survey, which is a porphyry stone 7 x 9 x 16 ins., marked and witnessed as described by

CHIRICAHUA NATIONAL FOREST

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Chains

- the Forest Service bears North 20 lks. dist. I de-
stroy all trace of this list cor.
- 73.50 Top of rocky spur bears N. and S. Descend 30 ft. to cor.
Oak brush becomes scattering.
- 78.42 To Cor. No. 3.
Identical with Cor. H-6 of the list survey, which is a
porphyry stone 9 x 10 x 14 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 + 16 ins. in the
ground, over which set a granite stone 14 x 16 x 26
ins. chiseled + for the point and 3 - H E S 277 on
SW. face; raise a mound of stone 4 ft. base, 3 ft.
high SW. of cor. whence:
A nail in a black oak 8 ins. dia. bears S. 58°
02' W., 32 lks. dist.
A nail in a juniper 8 ins. dia., bears N. 42°
43' W., 10 lks. dist.
Each blazed and scribed 3 H E S 277 B T.
-
- Thence S. 0° 40' E.
- Descend 150 ft. over steep S. slope thru scattering oak
brush and juniper timber along W. side of wire fence
5 lks. dist.
- 6.00 Enter dense oak brush. Wire fence bears N. and S. thence
along E. side of wire fence.
- 11.10 Wash, 10 lks. wide, course S. 30° 00' W.
- 12.00 N. Fork of Pinery Creek 25 lks. wide, course S. 70° 00' W.
Bottom of descent, thence over level bottom land.
- 12.96 Cor. H-1 of H. E. 014891, E. J. Hands (H. E. S. 278,
unsurveyed).
- 13.20 Wire fence bears E. and W. Leave dense oak brush. Enter
alfalfa field.

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15.10 Wire fence bears E. and W. Leave alfalfa field.

15.50 Road bears E. and W.

15.80 Fence bears E. and W.

18.97 To Cor. No. 4.

Identical with cor. H-5 of the list survey, also beginning corner of List 3-798 (not marked for List 3-798) which is a limestone 6 x 8 x 16 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 4 x 6 ins. marked with a +. 15 ins. in the ground, over which set a porphyry stone 5 x 14 x 25 ins. chiseled + for the point, and 4 - H E S 277 on NW. face; raise a mound of stone 4 ft. base, 3 ft. high NW. of cor. whence:

A nail in a white oak, 10 ins. dia., bears N. 42° 43' W., 20 lks. dist.

A nail in a juniper 16 ins. dia., bears N. 43° 08' E., 31 lks. dist.

Each blazed and scribed 4 H E S 277 B T.

July 15, 1915.

July 16, 1915.

Thence N. 54° 20' W.

Over level bottom land thru edge of dense oak brush and scattering oak and juniper timber along SW. side of wire fence 5 lks. dist.

6.90 Cor. of wire fence is 5 lks. E. from which fence bears NE.

7.40 N. Fork of Pinery Creek 15 lks. wide, course SW.

7.70 Cor. of wire fence from which fence bears NE. and with line.

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8.15

To Cor. No. 5.

Identical with Cor. H-4 of the list survey, which is a limestone 7 x 14 x 18 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 2 x 2 ins. marked with a + 17 ins. in the ground, over which set a limestone 7 x 14 x 27 ins. chiseled + for the point and 5 - H E S 277 on NE. face; raise a mound of stone 4 ft. base, 3 ft. high NE. of cor. whence:

A nail in a juniper 14 ins. dia., bears S. 59° 20' W., 85-1/2 lks. dist.

A nail in a juniper 12 ins. dia., bears N. 36° 24' W., 62-1/2 lks. dist.

Each blazed and scribed 5 H E S 277 B T.

Thence N. 85° 06' W.

Over level bottom land, along S. side of wire fence 5 lks. dist. thru dense oak brush, walnut and sycamore timber.

8.30

Cut off fence from which fence bears North.

9.50

Pinery Creek 20 lks. wide, course NW.

14.50

Ascend 8 ft. over low, rocky point.

16.00

Top of low rocky point bears N. and S. Descend 12 ft.

20.60

Wire fence bears N. 86° 00' W. and S. 86° 00' E. Bottom of descent thence over level bottom land.

30.00

To Cor. No. 6.

Identical with cor. H-3 of the list survey, which is a limestone 9 x 10 x 17 ins. above ground, marked and witnessed as described by the Forest Service, I destroy all trace of this list cor. Deposit a limestone

CHIRICAHUA NATIONAL FOREST

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3 x 4 x 5 ins. marked with a + 15 ins. in the ground,
over which set a limestone 6 x 10 x 25 ins. chiseled
+ for the point and 6 H. E. S 277 on N. face; raise
a mound of stone 4 ft. base, 3 ft. high N. of cor.
whence:
A nail in a juniper 10 ins. dia. bears N. 0°
30' W., 46 lks. dist.
A nail in a juniper 12 ins. dia. bears S. 76°
42' E., 99-1/2 lks. dist.
Each blazed and scribed 6 H E S 277 B T.

Thence S. 88° 20' W.

Over level bottom land thru dense undergrowth, oak,
juniper and sycamore timber.
29.00 Cor. H-2 of the list survey, which is a limestone 8 x 8
x 14 ins. marked and witnessed as described by the
Forest Service bears south 200 lks. I destroy all
trace of this list cor.
30.50 Pinery Creek, 20 lks. wide, course SW.
41.10 To Cor. No. 1, the place of beginning.

Area of H. E. S. 277

Total Area 147.21 acres

IMPROVEMENTS

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

A frame house, 16 x 16 ft., course of sides E. and W.,
the SW. cor. of which bears N. 60° 50' W., 18.34 chs.
dist. from Cor. No. 5.

Value \$250.00

A dug well, 14 ft. deep, the center of which bears
N. 58° 58' W., 13.62 chs. dist. from Cor. No. 5.

Value \$ 50.00

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A pole corral 20 x 30 ft., course of long sides N. and S., the SE. cor. of which bears N. 52° 34' W., 16.60 chs. dist. from Cor. No. 5.

Value \$75.00

A frame store house 6 x 10 ft., course of long sides E. and W., the SE. cor. of which bears N. 52° 20' W., 17.34 chs. dist. from Cor. No. 5.

Value \$25.00

About 1-1/2 miles of barbed wire fencing.

Value \$200.00

Total value of improvements. \$600.00

GENERAL DESCRIPTION.

This claim is located in a narrow valley along Pinery Creek, the soil is a first-class sandy loam, well suited to fruit growing, grain and vegetables. About 10 acres have been cleared and cultivated. The uncleared land is covered with a dense undergrowth of oak brush, scattering oak, juniper, sycamore and walnut timber. About 75 per cent of the area can be farmed. Water for domestic use is obtained from a dug well near claimant's house, which supplies sufficient water for that purpose. Water for stock is to be had in the numerous seeps along the bed of Pinery Creek.

There is no evidence of mineral deposits on the claim.

Light, the nearest postoffice and trading place lies 15 miles in a southwesterly direction and is reached by a fair wagon road.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicts. H. E. No. 014891 of E. J. Hands, unsurveyed H. E. S. No. 278 joins this claim along

Value \$

CHIRICAHUA NATIONAL FOREST

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Chains

lines 3-4 but does not conflict therewith.

TRAVERSE.

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	North	25.09	25.09			
2-3	S. 81° 00' E.	78.42		12.27	77.46	
3-4	S. 0° 40' E.	18.97		18.97	.22	
4-5	N. 54° 20' W.	8.15	4.75			6.62
5-6	N. 85° 06' W.	30.00	2.56			29.89
6-1	S. 88° 20' W.	41.10		1.19		41.08
			201.73	32.40	32.43	77.68
				32.40	77.59	77.59
Error in Lat. and Dep.					.03	.09

Error of Closure 1:2126.

Survey completed July 16, 1915.

E. A. Long

Surveyor - Forest Service.

Chains

lines 3-4 but does not conflict therewith.

Course	Dist.	Area	Area	Area
1-2	North 25.00	25.00		
2-3	S. 81° 00' W. 78.43		12.27	12.27
3-4	S. 9° 40' E. 18.97		18.97	18.97
4-5	N. 54° 20' W. 8.15	4.75		
5-6	N. 88° 08' W. 30.00	2.55		
6-1	S. 88° 20' W. 41.10		1.19	1.19
Total		50.75	32.40	32.40
Error in Lat. and Dep.			0.02	0.02
Error of Closure			0.02	0.02

Survey completed July 18, 1918.

Surveyor - Forest Service

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.

The corrections for balancing 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 of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal.

4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

Surveyors are required to use the Standard Field Tables issued by the G. L. O.

Francis H. Hands

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 277, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.				
1-2	North	25.09	25	09			77	43		29
2-3	S. 81° 00' E.	78.42		12	27	3 46				949
3-4	S. 0° 40' E.	18.97		18	27	22		155	07	2941
4-5	N. 54° 20' W.	8.15	4	75			6	148	65	68
5-6	N. 85° 06' W.	50.00	2	56			29	112	11	
6-1	S. 88° 20' W.	41.10		1	19		41	41	10	
		201.73	52	40	32	43	77	68	77	59
			32	42	32	42	77	64	77	64
Error of closure 1:2126.										
995 69										
2) 2944 19										
1472 09										
Area 147.21 acres										

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EMH

APPROVAL

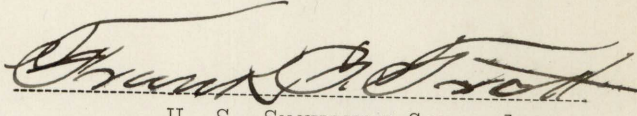
Office of the United States Surveyor General,

Phoenix, Arizona, June 4, , 1917

The foregoing field notes of Homestead Entry Survey No.

277.

executed by **C. A. Long, Surveyor-Forest Service** [Forest Service Title.]
under his special instructions, dated **October 8**, 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.