U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF
HOMESTEAD ENTRY SURVEY NO. 277

SITUATED IN THE CHIRICAHUA NATIONAL FOREST
ADMINISTRATIVE DISTRICT NO. 3

In Section 7, unsurveyed, 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, 1906
List No. 1497 ✓, dated June 18, 1907

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
(Pinus Service Title)
Under special instructions dated October 8, 1914
Survey commenced July 13, 1915
Survey completed July 16, 1915

OATH OF ASSISTANTS

We hereby certify that we assisted C. A. Long, Surveyor - Forest Service, in surveying all those 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 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 the oath to Assistants; hence, they were taken by the Surveyor.

Subscribed and sworn to before me this 16th day of July, 1915.

OATH OF SURVEYOR

I, C. A. Long, Surveyor - Forest Service, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for ARIZONA, dated October 6, 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. 1497, dated June 16, 1906, for Tattnell, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 277, situated within the CHIRICAHUA National Forest, in 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.

Subscribed and sworn to before me this 31st day of March, 1915.

My Commission expires April 20, 1919.
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, 1866 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 description 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.
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 distant, and at 7h. 19.3m. p.m., 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° 29'.

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

Sidereal correction 05° 47'.9' 1.2m.

Astron. m.t., U.C. Polaris, July 12, 1915 18h.07.3m.

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

Hour angle, 18h.11.5m. 23h.56.1m.

Time argument 10h.44.6m.

Azimuth of Polaris at obse. 180° 25° 24''

25° 29° 00''

Azimuth of reference mark 15° 56° 24''

or a bearing of N. 25° 03° 36'' W.

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° 30° 30'' between reference mark and Polaris.

Astron. l.m.t., U.C. Polaris, July 12, 1915 18h.07.3m.

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

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

Time argument 10h.39.2m.

Azimuth of Polaris at obse. 180° 27° 18''

25° 30° 30''

Azimuth of reference mark 15° 56° 42''

or a bearing of N. 25° 03° 18'' W.

The mean of the two observations gives a bearing of N. 25° 03° 27" W., and to the corresponding meridian.
HOMESTEAD ENTRY SURVEY NO. 277

CHIRICAHUA NATIONAL FOREST

STATE OF ARIZONA

Chains

all the courses of this survey are referred.

July 14, 1915.

Retraces.

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. 82, an iron post 3 ins. diam. firmly set in the ground.

40.16 The cor. to Secs. 7, 12, 16 and 19, a limestone 8 x 8 x

12 ins. above ground, firmly set and marked with 2 notches on N. and 4 notches on S. surfaces 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.

40.16 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.
Boundaries of Claim.

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 ES 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 34.86 chains dist.

Cor. H-1 of the list survey which is a limestone stone 6 x 8 x 20 ins. above ground, marked and witnessed as described by the Forest Service 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 described.

5.77 Forest Boundary Post No. 61 heretofore described.

5.90 County road bears E. and W. Gate in fence is 5 lks. west.
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° 05' 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. 61° 00' E.

Descend 45 ft. thru dense oak brush.

19.75 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.

78.25 Cor. H-7 of the list survey, which is a porphyry stone 7 x 9 x 16 ins., marked and witnessed as described by
| 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 50 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 9 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.        | Enter dense oak brush. Wire fence bears N. and S. thence |
| 6.00                | 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. 014691, E. J. Hands (H. E. S. 278, |
|                     | unsurveyed). |
| 15.20               | Wire fence bears E. and W. Leave dense oak brush. Enter |
|                     | alfalfa field. |
15.10 Ch.
Wire fence bears E. and W. Leave alfalfa field.

15.50 Ch.
Road bears E. and W. Bear to 3-1/2 N, 1/4 W.

15.80 Ch.
Fence bears E. and W. and 232 ft.

16.97 Ch.
To Cor. No. 4.

Identical with cor. H-5 of the list survey, also beginning corner of List 3-799 (not marked for List 3-799) and which is a limestone 6 x 8 x 16 ins. above ground, and 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 a H E S 277 on NW. face; raise a mound of stone 4 ft. base, 3 ft. high NW. of cor. whence:

\[ \text{A nail in a white oak, 10 ins. dia., bears N. 42° 43' W., 20 lks. dist.} \]

July 16, 1915.

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 16, 1915.

Thence N. 54° 20' W. 1 mile.

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.
The cor. of wire fence is 5 lks. E. from which fence bears a NE.

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

7.70 Cor.
The cor. of wire fence from which fence bears NE. and with next cor. connected. The last cor. bears S O.

Form 50.
Sheet No. 2.

CHIRICAHUA NATIONAL FOREST
STATE OF ARIZONA
WHOMESTEAD ENTRY SURVEY NO. 277
CHIRICAHUA NATIONAL FOREST
STATE OF ARIZONA

Chains

8.15 To Cor. No. 6. Is evaid 5 ins. 8" chased consisting 01.41
Identical with Cor. H-4 of the list survey, which is a limestone 7 x 14 x 16 ins. above ground, marked and witnessed as described by the Forest Service. I de-stroy, 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.

Current chisaled 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: 20° 49' 01" N. 85-1/2 lks. dist. to 20° 49' 01" N. 85-1/2 lks. dist.
A nail in a juniper 14 ins. dia., bears S. 59° 24' 58" E. 24° W., 52-1/2 lks. dist. to NE. 52° 15' 22" N. 52° 15' 22" E. Each blazed and scribed 5 H E S 277 B T.

Thence N. 85° 06' W. 1 of magnut and I run
Over level bottom land, along S. side of wire fence
5 lks. dist. thru dense oak brush, walnut and syca-
more timber. Int.

8.30 Cut off fence from which fence bears North.

9.50 Pinery Creek 20 lks. wide, course NW. 85° 06' 51" W. 51° 21'.

14.50 Ascend 8 ft. over low, rocky point. 16.00 Top of low rocky point bears N. and S. 12 lks. 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. Is evaid 5 ins. from 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 de-stry all trace of this list cor. Deposit a limestone
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. 2.11 acres N. 71°

A nail in a juniper 12 ins. dia. bears S. 76° 42' E., 99-1/2 lks. dist. 2.11 acres S. 1 DW.

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.

30.60 Pinery Creek, 20 lks. wide, course SW., 2.11 acres N.

41.10 To Cor, No. 1, the place of beginning. 2.11 acres S.

Area of H.E.S. 277 = 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. 80° 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° 59' W., 13.62 chs. dist. from Cor, No. 5. Value $50.00
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 1½ miles of barbed wire fencing. Value $200.00

Total value of improvements. $300.00

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. 01491 of E. J. Hands, unsurveyed H. E. S. No. 278 joins this claim along.
Chains

lines 3-4 but does not conflict therewith.

<table>
<thead>
<tr>
<th>TRAVERSE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cor.</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>1-2</td>
</tr>
<tr>
<td>2-3</td>
</tr>
<tr>
<td>3-4</td>
</tr>
<tr>
<td>4-5</td>
</tr>
<tr>
<td>5-6</td>
</tr>
<tr>
<td>6-1</td>
</tr>
</tbody>
</table>

Error in Lat. and Dep.

Error of Closure 1:2126.

Survey completed July 16, 1915.

Surveyor - Forest Service.
<table>
<thead>
<tr>
<th>Chains</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

**Reference:**

- West of 
- North 
- East 
- South 

**Note:**

- North or South 
- East or West 
- Homestead - Northwest 
- Northwest - Homestead
<table>
<thead>
<tr>
<th>CORNERS</th>
<th>BEARING</th>
<th>DISTANCE</th>
<th>LATITUDES</th>
<th>DEPARTURES</th>
<th>DOUBLE M. D.</th>
<th>N. AREAS</th>
<th>S. AREAS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>NORTH</td>
<td>SOUTH</td>
<td>EAST</td>
<td>WEST</td>
<td></td>
</tr>
<tr>
<td>1-2</td>
<td>North</td>
<td>25.09</td>
<td>25.09</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-3</td>
<td>S. 61° 00' E.</td>
<td>78.42</td>
<td>12 27</td>
<td>77 46</td>
<td></td>
<td>77 43</td>
<td>949 29</td>
</tr>
<tr>
<td>3-4</td>
<td>S. 0° 40' E.</td>
<td>18.97</td>
<td>18 97</td>
<td>22</td>
<td></td>
<td>155 07</td>
<td>2941 68</td>
</tr>
<tr>
<td>4-5</td>
<td>N. 54° 20' W.</td>
<td>8.15</td>
<td>4 75</td>
<td>6 62</td>
<td>148 65</td>
<td>707 57</td>
<td></td>
</tr>
<tr>
<td>5-6</td>
<td>N. 85° 06' W.</td>
<td>30.00</td>
<td>2 59</td>
<td>29 89</td>
<td>112 11</td>
<td>288 12</td>
<td></td>
</tr>
<tr>
<td>6-1</td>
<td>S. 68° 20' W.</td>
<td>41.10</td>
<td>1 19</td>
<td>41 08</td>
<td>41 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>201.73</td>
<td>32 40</td>
<td>22 43</td>
<td>77 68</td>
<td>77 59</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>31 47</td>
<td>32 42</td>
<td>77 64</td>
<td>77 45</td>
<td></td>
</tr>
<tr>
<td>Error of closure</td>
<td>1:2136</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Area 147.21 acres
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.