U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF
HOMESTEAD ENTRY SURVEY NO. 535

SITUATED IN THE CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO.

In Section 28, unsurveyed, Township 23 S., Range 19 E.

In Section 29, unsurveyed, Township 23 S., Range 19 E.

and U. S. L. M. No. 535, H. S. S.

of the Gila and Salt River Baseline and Meridian.

State of ARIZONA

Applicant for listing Benjamin F. Brooks.

Residence Sunnyside, Arizona

Application No. 261, dated March 13, 1913

List No. 5-2891, dated November 1, 1913

Applicant for survey J. A. Jones.

Residence Sunnyside, Arizona.

H. R. No. 032396, dated February 23, 1917

Office Land District Phoenix, Arizona.

Survey executed by C. A. Long.

Surveyor - Forest Service

Under special instructions dated March 26, 1917

Survey commenced May 29, 1917

Survey completed May 30, 1917

OATH OF ASSISTANTS

We hereby certify that we assisted C. A. Long, Surveyor - Draftsman, in surveying all those parts or portions of Homestead Entry Survey No. 535, 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.

[Signatures]

Subscribed and sworn to before me this thirtieth day of May, 1917.

Surveyor - Forest Service

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 March 29, 1917, 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. 3-2891, dated November 1, 1913, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 535, situated within the CORONADO National Forest, in

unsurveyed Section 29, Township 23 S, Range 19 E, and

unsurveyed Section 29, Township 23 S, Range 19 E,

of the G. and J. 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.

[Signatures]

Subscribed and sworn to before me this first day of April, 1918.

Notary Public

My Comm. expires March 17, 1927.
Chains Applicant for listing, Benjamin F. Brooks; Application No. 261, dated March 3, 1915; List No. 3-2891, dated November 1, 1915; H. E., 042859, made in the Phoenix Land Office on February 23, 1917, by J. A. Jones.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 29, 1917, and designated as Homestead Entry Survey No. 535.

Situated in what will probably be, when surveyed, secs. 28 and 29, T. 23 S., R. 19 E., Gila and Salt River Base and Meridian, within the Coronado National Forest, Arizona.


Survey commenced May 29, 1917, and executed with a Buff and Buff transit No. 10530, equipped with Smith solar attachment.

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

All distances are horizontal, and were reduced from measurements made directly on the slope with a 500 link steel tape. The slope angles were determined with a clinometer.

May 29, 1917.

At Cor. H-2 of the list survey, and what will be cor. No. 1 of this survey, hereinafter described, at 6h. 31m. p.m., I observe Polaris with telescope direct, reading an angle of 48° 49' from star to right to a reference mark about 3 miles distant.
HOMESTEAD ENTRY SURVEY NO. 525
CORONADO NATIONAL FOREST
STATE OF ARIZONA.

Chains

Greenwich m.t. U.C. Pol., May 29, 1917 9 h. 04.4 m. a.m.

Longitude Correction,
l.m.t. U.C. Pol., May 29, 1917 01.2 m.
9 h. 03.2 m. a.m.

Astron. l.m.t. U.C. Pol., May 28, 1917 12h. 03.2 m.
Astron. l.m.t. of obsn., May 28, 1917 50h. 51.0 m.

Hour Angle,
9h. 27.6 m.

Azimuth of Pol. at obsn., 0° 48' 30"

Bearing of reference mark, N. 48° 00' 50" E.

At 6h. 34m. p.m., l.m.t., I again observe Polaris with telescope reversed, reading an angle of 48° 48' from star to right to the same reference mark.

Astron. l.m.t. U.C. Pol., May 28, 1917 21h. 03.2 m.
Astron. l.m.t. of obsn., May 28, 1917 30h. 34.0 m.

Hour Angle,
9h. 30.8 m.

Azimuth of Pol. at obsn. 0° 47' 41".

Bearing of reference mark, N. 48° 00' 19" E.

The mean bearing of reference mark as determined from the two observations is N. 48° 00' 25" E., and from the corresponding meridian all the courses of this survey were deflected.

May 30, 1917.

There being no Public Land Corner, U. S. L. M. or U. S. Mineral Monument within prescribed limits to tie the claim to, (U. S. L. M. No. 290 H. E. S. is over two miles dist.) I establish U. S. L. M. No. 525 H. E. S. as follows:
Chains

On the crest of a long narrow wooded ridge running N. 30° 00' E. and S. 30° 00' W. and 2.00 chs. East of a road to Sunnyside post-office, I deposit a sandstone 3 x 6 x 6 ins. marked with a +, 18 ins. in the ground, over which set a sandstone 6 x 16 x 26 ins. marked + on top and U S L M 535 H E S on E. face; East of monument and 6 ft. dist., raise a mound of stone 6 ft. base, 5 ft. high, whence:

A juniper, 30 ins. dia., bears N. 20°.
25' E., 229 lks. dist.
A white oak, 16 ins. dia.; bears N. 10°.
20' W., 156 lks. dist.
A white oak, 16 ins. dia., bears N. 89°.
00' W., 191 lks. dist.

Each blazed and scribed U S L M 535 H E S + E T.

House at Sunnyside bears N. 49° 10' E., approximately 1-1/2 miles.

High point on NW. end of Lone Mountain bears S. 73° 00' E., approximately 1 mile.

Sharp peak bears N. 21° 30' W., approximately 2-1/2 miles.

Santa Rita Peak (Old Baldy) bears N. 52° 10' W., approximately 50 miles.

Low round peak on SE. end of Canelo Hills bears N. 54° 40' W., approximately 6 miles.

Peak bears S. 78° 30' E.
Peak bears S. 68° 30' E.
NW. cor. of adobe house occupied by J. A. Jones bears S. 16° 26' E., approximately 1/2 mile.

Cor. No. 4 of H. E. S. No. 536 bears N. 25° 41' W., 18.20 chs. dist., by traverse which appears at the end of these notes.
Chains | BOUNDARIES OF CLAIM  
---|---  
May 30, 1917.  
Beginning at cor. No. 1.  
Identical with cor. H-2 of the list survey, which is a limestone 6 x 15 x 24 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and in the same place deposit a sandstone 3 x 6 x 6 ins. marked with a +, 24 ins. in the ground, over which I set an iron post 2 ins. dia., 36 ins. long, with brass cap marked 1917 on S. quadrant and 1 - H E S 535 on S.E. quadrant; raise a mound of stone 3 ft. base, 2 ft. high, 3-1/2 ft. dist. S.E. of cor.  
No witnesses within limits. Fits impracticable.  
U. S. L. M. No. 535 E. E. S., heretofore described, bears N. 11° 40' W., 42.15  
by traverse which appears at the end of these notes.  
Lat. 31° 24' 30" N., Long. 110° 25' W., from Herford Quadrangle, U. S. G. S.  
The observed magnetic declination at 6:00 a.m. is 13° 00' E., which corrected for diurnal change gives a mean magnetic declination of 12° 57' E.  
Thence S. 71° 13' E.  
Descend 35 ft. over gradual E. slope, through dense oak brush.  
0.20 Dim road, bears NW. and SE.  
6.40 Enter bottom land.  
9.00 Wash in canyon, 20 1ks. wide, course S. 20° 00' W.  
Bottom of descent. Ascend 25 ft. to cor. over gradual W. slope.  
9.60 Top of bank; thence over mesa.  
10.09 To cor. No. 2.
<table>
<thead>
<tr>
<th>Chains</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identical with cor. H-2 of the list survey, which is a limestone 6 x 8 x 18 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a sandstone 2 x 4 x 7 ins. marked with a +, 24 ins. in the ground, over which set an iron post 2 ins. dia., 36 ins. long, with brass cap marked 1917 on S. quadrant and 2 - H E S 525 in SW. quadrant; and raise a mound of stone 3 ft. base, 2 ft. high SW. of cor., whence:</td>
</tr>
<tr>
<td>A black oak, 12 ins. dia., bears S. 41° 30' E., 34 lbs. dist.</td>
</tr>
<tr>
<td>A white oak, 14 ins. dia., bears N. 27° 00' W., 42 lbs. dist.</td>
</tr>
<tr>
<td>Each blazed and scribed 2 H E S + 525 B T.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>58.03</td>
</tr>
</tbody>
</table>

Thence S. 21° 22' W. Descend 80 ft. to cor. along steep west-slope, through dense oak brush.

To cor. No. 3.

Deposit a porphyry stone 2 x 2 x .3 ins. marked with a +, 24 ins. in the ground, over which set an iron post 2 ins. dia., 36 ins. long, with brass cap marked 1917 on S. quadrant and 3 - H E S 525 in NW. quadrant; and raise a mound of stone 4 ft. base, 3 ft. high NW. of cor., whence:

A black oak 8 ins. dia., bears S. 67° 45' W., 100 lbs. dist. |
A black oak, 6 ins. dia., bears W. 15° 10' E., 118 lbs. dist. |
Each blazed and scribed 3 H E S + 535 B T. |
Cor. H-4 of the list survey, which is a granite stone 6 x 8 x 18 ins. above ground, marked and witnessed as described by the
Chains

Forest Service, bears N. 71° 13' W., 10
lks. dist. I destroy all trace of this
list cor.

Thence N. 71° 13' W.

Over bottom land, through scattering oak.

Wash, 30 lks. wide, course S. 30° 00' W.

Wire fence bears N. 22° 00' E. and S. 22° 00' W.

To cor. No. 4.

Identical with cor. H-1 of the list survey, which is
a granite stone 7 x 8 x 26 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 4 x 5 ins. marked with a +, 24 ins. in the
ground, over which set an iron post, 2 ins. dia., 36
ins. long, with brass cap, marked 1917 on S. quadrant
and 4 - H E S 535 in NE. quadrant; and raise a mound
of stone 3 ft. base, 2 ft. high NE. of cor., whence:

A black oak, 16 ins. dia., bears S. 61°
10' E., 161 lks. dist.

A white oak, 20 ins. dia., bears N. 10° 45' E.,
104 lks. dist.

Each blazed and scribed 4 H E S + 535 E T.

Thence N. 21° 22' E.

Ascend 65 ft. to cor. over gradual E. slope, through
dense oak brush.

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

AREA

Total Area - - - - - - - - - - - - - 58.46 acres
IMPROVEMENTS

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

An adobe house, 16 x 30 ft., course of long sides E. and W., the NE. cor. of which bears N. 89° 43' W., 4.45 chs. dist. from cor. No. 2.

Value - - - - - - - - - - $150.00

A tent house, 10 x 12 ft., course of long sides N. and S., the NW. cor. of which bears S. 85° 40' W., 3.30 chs. dist. from cor. No. 2.

Value - - - - - - - - - - - - - -$25.00

A windmill, over a dug well 25 ft. deep, the center of which bears N. 84° 40' W., 1.77 chs. dist. from cor. No. 2.

Value of well and windmill $300.00

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

Value - - - - - - - - - - - - - - - - - - - - -$200.00

Total value of improvements - - - - - - - - - $675.00

DESCRIPTION

This claim is located in a narrow canyon draining Southwest. The hills, which are covered with a dense growth of oak brush and scattering oak timber, rise gently from the E. and W. sides of the canyon.

The soil along the bottom lands is a brown sandy loam, first rate, and produces fairly good crops of corn and beans.

About 25 acres are now under cultivation and possibly 10 acres more could be farmed. The remaining area is hillside land, suitable for pasture land only.

A dug well, 25 ft. deep, furnishes ample water for domestic purposes & for watering about 50 head of stock. There were no indications of mineral upon the claim.
CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

Sunnyside, Arizona, the nearest post office is about 1\(\frac{3}{4}\) miles north of the claim. Elgin, Arizona, the nearest railway station is about 25 miles NW, and is reached by a rough wagon road. H. E. S. 536 is about 3/4 mile northerly.

<table>
<thead>
<tr>
<th>Cor.</th>
<th>Course</th>
<th>Dist.</th>
<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3</td>
<td>S. 21° 22' W.</td>
<td>58.03</td>
<td>54.04</td>
<td>21.14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-4</td>
<td>N. 71° 13' W.</td>
<td>10.09</td>
<td>3.25</td>
<td>9.55</td>
<td></td>
<td></td>
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<tr>
<td>4-1</td>
<td>N. 21° 22' E.</td>
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<td>54.04</td>
<td>21.14</td>
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<tr>
<td></td>
<td></td>
<td>138.22</td>
<td>57.29</td>
<td>30.69</td>
<td>30.69</td>
<td></td>
</tr>
</tbody>
</table>

Error in Lat. and Dep. = 0.60

Closing error, none.

Tie from cor. No. 1 to U S L M

535 H E S

<table>
<thead>
<tr>
<th>Course</th>
<th>Dist.</th>
<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>N. 42° 43' W.</td>
<td>1.52</td>
<td>1.12</td>
<td>1.03</td>
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<tr>
<td>N. 62° 53' W.</td>
<td>10.76</td>
<td>4.91</td>
<td>9.60</td>
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<tr>
<td>N. 3° 26' E.</td>
<td>35.31</td>
<td>35.25</td>
<td>2.11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 11° 40' E.</td>
<td>42.16</td>
<td>41.28</td>
<td>8.52</td>
<td></td>
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<tr>
<td></td>
<td>41.28</td>
<td>41.28</td>
<td>10.63</td>
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<td></td>
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</table>

Tie from U S L M No. 535 H E S to Cor. No. 4 H E S 536

<table>
<thead>
<tr>
<th>Course</th>
<th>Dist.</th>
<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>N. 38° 13' W.</td>
<td>41.14</td>
<td>32.32</td>
<td>25.45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 49° 13' E.</td>
<td>25.96</td>
<td>15.65</td>
<td>18.14</td>
<td></td>
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<tr>
<td>S. 25° 41' E.</td>
<td>18.20</td>
<td>16.67</td>
<td>7.31</td>
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<tr>
<td></td>
<td>32.32</td>
<td>32.32</td>
<td>25.45</td>
<td></td>
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</table>

Survey completed May 30, 1917.

Surveyor - Forest Service
### Tabling and Calculations of Homestead Entry Survey No. 535, State of Arizona

<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>
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<td></td>
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<td>NORTH</td>
<td>SOUTH</td>
<td>EAST</td>
<td>WEST</td>
<td></td>
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<tr>
<td>1 - 2</td>
<td>S 71° 15' E</td>
<td>10.09</td>
<td>3.25</td>
<td>9.55</td>
<td>51.63</td>
<td></td>
<td>168.45</td>
</tr>
<tr>
<td>2 - 3</td>
<td>S 21° 22' W</td>
<td>58.03</td>
<td>54.04</td>
<td>9.55</td>
<td>40.24</td>
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<td>2174.57</td>
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<tr>
<td>3 - 4</td>
<td>N 71° 13' W</td>
<td>10.09</td>
<td>3.25</td>
<td>21.14</td>
<td>31.04</td>
<td></td>
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</tr>
<tr>
<td>4 - 1</td>
<td>N 21° 22' E</td>
<td>58.03</td>
<td>54.04</td>
<td>21.14</td>
<td>1142.41</td>
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<td>136.24</td>
<td>57.29</td>
<td>57.29</td>
<td>30.69</td>
<td>20.162</td>
<td>57</td>
</tr>
</tbody>
</table>
- Closing error 0.
- Tie from cor. No. 1 to USLM 535 H E S
  - N 42° 45' W  | 1.52 | 1 | 12 | 1.03
  - N 52° 53' W  | 10.78 | 4 | 91 | 9.60
  - N 3° 26' E   | 35.31 | 35 | 25 | 2.11
  - 41 28  | 2.11 | 10 63
- Tie from USLM No. 535 H E S to Cor. No. 4 H. E. S. 536
  - N 36° 13' W  | 41.14 | 32 | 32 | 25 45
  - S 49° 12' E  | 23.96 | 32 | 32 | 15 65 | 18 14
  - S 23° 41' E  | 18.20 | 32 | 32 | 16 67 | 7 31
  - 32 32 | 25 45 | 25 45
APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 10, 1920

The foregoing field notes of Homestead Entry Survey No.

535

executed by C. A. Long, Surveyor
under his special instructions, dated March 25, 1917, having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

[Signature]
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.

[Signature]
Frank P. Trott
U. S. Surveyor General.