U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 518

SITUATED IN THE CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 13, unsurveyed, Township 21 S., Range 29 E.

In Section 24, unsurveyed, Township 21 S., Range 29 E.

of the Gila and Salt River Base and Meridian.

State of ARIZONA

Applicant for listing F. M. Chatfield,
Residence Bernalillo, Arizona
Application No. 24 , dated January 13, 1908
List No. 1508 , dated June 18, 1908

Applicant for survey William D. Glenn,
Residence Bernalillo, Arizona (Box 711-Douglas, Ariz.)
H. K. No. 028090 , dated September 7, 1915
Office Phoenix, Arizona
Land District

Survey executed by Lee C. Davey, Surveyor - Forest Service
Under special instructions dated March 28, 1917
Survey commenced August 9, 1917
Survey completed August 11, 1917


penny

287
OATH OF ASSISTANTS

We hereby certify that we assisted
Lee C. Daves, Surveyor - Forest Service
in surveying all those parts or portions of Homestead Entry Survey No. 516, 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.

Mark James, Chairman

Subscribed and sworn to before me this 11th day of August, 1917.

Lee Davis
Surveyor - Forest Service

OATH OF SURVEYOR

I, Lee C. Daves, Surveyor - Forest Service

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated March 28, 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. 1508, dated June 18, 1906, for

Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 516, situated within the

COSTADO National Forest, in

unsurveyed Section 13, Township 21 S., Range 22 E., and unsurveyed Section 24, Township 21 S., Range 22 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.

Lee Davis
Surveyor - Forest Service

Subscribed and sworn to before me this twenty-first day of December, 1917.

Elise M. Meyers
Notary Public

By Commission expires March 17, 1921.
Applicant for listing, F. M. Chatfield; Application No. 24, dated January 13, 1908; List No. 1508, dated June 18, 1908; H. E. 028090, made in the Phoenix Land Office on September 7, 1915 by William D. Glenn.

No corners of the list survey could be found. The field notes of the listing survey do not properly describe the land occupied and intended to be embraced in the original listing. This survey will therefore be used as a basis for substitute listing and amendatory entry. The entryman was present at the time of survey and was satisfied with the lines as marked upon the ground.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 26, 1917, and designated as Homestead Entry Survey No. 516.

Situated in what will probably be when surveyed Secs. 13 and 24, T. 21 S., R. 29 E., Gila and Salt River Base and Meridian, Coronado National Forest, Arizona.

Surveyed under the acts of June 11, 1906 and March 4, 1917.

Survey commenced August 9, 1917 and executed with a Buff and Buff transit No. 9703, 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.

August 9, 1917.

At cor. of secs. 13, 19, 19 and 24 on W. bd'y. T. 21 S., R. 30 E., Lat. 31° 35' 46" N., Long. 109° 20' 19" W., from U. S. G. S. advance sheet of the Chiricahua
Chains

Quadrangle, which is a limestone 20 x 8 x 4 ins. above ground, firmly set and marked with 3 notches on N. edge and 2 on S. edge, witnessed as described by the Surveyor General, I observe Polaris as follows:

Reference Mark: A bushy tree on skyline about 2 miles dist. in a Northwesterly direction. Angles, from Star to Mark, Mark W. of Star.

<table>
<thead>
<tr>
<th>Circle</th>
<th>1.m.t.</th>
<th>Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>W</td>
<td>Th. 12.2 m. p.m.</td>
</tr>
<tr>
<td>2</td>
<td>E</td>
<td>Th. 13.7 m.</td>
</tr>
<tr>
<td>3</td>
<td>E</td>
<td>Th. 14.2 m.</td>
</tr>
<tr>
<td>4</td>
<td>W</td>
<td>Th. 15.7 m.</td>
</tr>
<tr>
<td>5</td>
<td>W</td>
<td>Th. 16.7 m.</td>
</tr>
<tr>
<td>6</td>
<td>E</td>
<td>Th. 17.2 m.</td>
</tr>
<tr>
<td>7</td>
<td>E</td>
<td>Th. 18.7 m.</td>
</tr>
<tr>
<td>8</td>
<td>W</td>
<td>Th. 19.7 m.</td>
</tr>
</tbody>
</table>

Greenwich m.t. U. C. Pol., August 10, 4h. 18.7 m. a.m.

Correction for Long. - 01.2 m.

1.m.t. U. C. Polaris, Aug. 10, 1917, 4h. 16.5 m. a.m.

1.m.t. of obsn. Th. 12.2 m. 13.7 14.2 15.7 16.7 17.2 18.7 19.7 m.p.m.

Mean time interval to 12.2 m. 47.6 m. 46.3 45.8 44.3 43.3 42.3 41.3 40.3 m.

Mean time Angle 8h. 64.3 m. 62.8 62.3 60.8 59.8 59.3 57.7 55.8 m.

Azimuth of Star, 180° 54.8' 55.2 55.3 55.6 55.9 56.0 56.2 55.8 56.3' Angle, 43° 01'.0' 01.5 01.8 02.0 02.3 02.5 02.8 03.0 03.0' Azimuth of Mark, 137° 53.8 53.7 53.8 53.9 53.9 53.4 53.4 53.3 53.3' Mean Azimuth of Mark, 137° 53.6' Accept bearing as N. 42° 06'. W.

From the meridian thus determined all the courses of this survey are deflected by sustained angulation.

RETRACEMENT

August 10, 1917.

Beginning at the cor. of Secs. 15, 16, 19 and 24, on W. bdy. of T. 21 S., R. 30 E., which is a limestone 20 x 8 x 4 ins. above ground, marked with 3 notches on N. face and 3 on S. face; witnessed as described by the Surveyor General, and hereinafter noted under Cor. No. 1.
Chains

Thence South.

Retracing line bet. secs. 19 and 24, N/2.

Falls 2.28 chs. E. of the 1/4 sec. cor. bet. secs. 19 and 24, which is a lava stone 18 x 8 x 4 ins. above ground, firmly set, marked 1/4 on W. face; witnessed as described by the Surveyor General.

True line is N. 2° 22' E., 40.62 chs.

From the cor. of Secs. 13, 18, 19 and 24, heretofore described.

Thence North.

Retracing line bet. secs. 12 and 18, S/2.

Falls 16 lks. E. of the 1/4 sec. cor. bet. secs. 13 and 18, which is a limestone 16 x 8 x 6 ins. marked 1/4 on W. face; witnessed as described by the Surveyor General.

True line is N. 0° 14' W., 40.26 chs.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1.

Identical with the cor. of Secs. 13, 18, 19 and 24, which is a limestone 20 x 8 x 4 ins. above ground, marked 3 notches on N. face and 3 on S. face. I add + on top and alongside to West set a limestone 24 x 8 x 4 ins. marked 1 - H E S 518 on W. face; and raise a mound of stone 4 ft. base, 2 ft. high W. of cor.

No witnesses available. Fits impracticable.

Lat. 31° 35' 48" N., Long. 109° 20' 10" W., from U. S. G. S. Advance Sheet Chiricahua Quadrangle.

Mag. decl. at 6:00 a.m. is 12° 30' E. Mean mag. decl. is 12° 28' E.

Thence S. 3° 22' W.

Along line bet. secs. 19 and 24. Desc. 25 ft.

5.00 Buck Creek, water in holes, 18 lks. wide, 2 ft. deep, course SE. Asc. 50 ft.
HOMESTEAD ENTRY SURVEY NO. 518
CORONADO NATIONAL FOREST
STATE OF ARIZONA

Chains 12.00 Top SW. end of ridge, bears NE. and SW. Desc. 75 ft. to cor.

20.00 Buck Creek (dry), 25 lks. wide, 2 ft. deep, course SW.


Deposit a limestone 5 x 3 x 3 ins. marked with a +, 18 ins. in the ground, over which set a basalt stone 28 x 9 x 8 ins., chiseled + for the point, C C on W. face and 2 - H E S 518 on NW. face; and raise a mound of stone 4 ft. base, 2 ft. high W. of cor., whence:

SE. cor. frame shed bears N. 46° 50' W., 61 lks.

NE. cor. stone house, bears N. 29° 40' W., 224 lks.

SW. cor. frame shed, bears N. 28° 20' W., 258 lks.

SW. cor. frame blacksmith shop bears N. 24° 50' W., 205 lks. dist.

Cor. of secs. 13, 18, 19 and 24, heretofore described, bears N. 3° 22' E., 28.76 chs. dist.

1¼ sec. cor. bet. secs. 19 and 24, heretofore described, bears S. 3° 22' W., 11.76 chs. dist.

Thence West.

2.60 Buck Creek, 35 lks. wide (dry), 2 ft. deep, course SE.

4.00 To cor. No. 3.

Deposit a limestone 5 x 4 x 3 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 15 x 5 ins., chiseled + for the point and 3 - H E S 518 on NE. face; and raise a mound of stone 4 ft. base, 2 ft. high, NE. of cor., whence:

Center windmill bears N. 12° 35' E., 405 lks. dist.

SE. cor. stone house bears N. 62° 27' E.,
<table>
<thead>
<tr>
<th>Chains</th>
<th>290 lks. dist.</th>
</tr>
</thead>
</table>

**Thence North.**

**Asc. 75 ft.**

0.90 Buck Creek, 30 lks. wide (dry), course SE.

5.60 Buck Creek, 30 lks. wide (dry), course SW.

14.90 Arroyo, 5 lks. wide, 2 ft. deep, course E.

21.00 Road bears NW. and SE.

23.80 To cor. No. 4.

Deposit a limestone 4 x 2 x 2 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 8 x 7 ins., chiseled + for the point and 4 - H E S 518 on NE. face; and raise a mound of stone 4 ft. base, 2 ft. high, NE. of cor.

No witnesses available. Pits impracticable.

**Thence N. 52° 00' W.**

Over open rolling land.

4.60 Arroyo (dry), 7 lks. wide, 2 ft. deep, course NE.

4.80 Road bears N. and S.

15.10 To cor. No. 5.

Deposit a granite porphyry stone 3 x 3 x 2 ins. marked with a +, 14 ins. in the ground, over which set a granite porphyry stone 24 x 10 x 6 ins., chiseled + for the point and 5 - H E S 518 on NE. face; and raise a mound of stone 4 ft. base, 2 ft. high NE. of cor.

No witnesses available. Pits impracticable.

**Thence N. 85° 00' W.**

Along N. slope.

23.70 Wagon road bears NE. and SW.

27.70 To cor. No. 6.

Deposit a sandstone 5 x 4 x 5 ins. marked with a +, 14 ins. in the ground, over which set a sandstone 24 x 16
<table>
<thead>
<tr>
<th>Chains</th>
<th>x 4 ins. chiseled + for the point and 6 - H E S 518 on NE. face; and raise a mound of stone 4 ft. base, 2 ft. high NE. of cor.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No witnesses available. Pits impracticable.</td>
</tr>
<tr>
<td></td>
<td>August 10, 1917.</td>
</tr>
<tr>
<td></td>
<td>August 11, 1917.</td>
</tr>
<tr>
<td></td>
<td>Thence N. 29° 43' E.</td>
</tr>
<tr>
<td></td>
<td>Over open rolling land.</td>
</tr>
<tr>
<td></td>
<td>12.50 Begin desc. of 25 ft. to cor., along E. slope.</td>
</tr>
<tr>
<td></td>
<td>24.75 Gulch, 150 lks. wide, 20 ft. deep (dry), course E.</td>
</tr>
<tr>
<td></td>
<td>46.10 Arroyo, 15 lks. wide, 4 ft. deep, course E.</td>
</tr>
<tr>
<td></td>
<td>49.90 Arroyo, 20 lks. wide, 3 ft. deep, course E.</td>
</tr>
<tr>
<td></td>
<td>50.96 Buck Creek (dry), 20 lks. wide, 4 ft. deep, course S.</td>
</tr>
<tr>
<td></td>
<td>51.23 To cor. No. 7.</td>
</tr>
<tr>
<td></td>
<td>Deposit a granite porphyry stone 5 x 2 x 2 ins. marked with a +, 14 ins. in the ground, over which set a basalt stone 24 x 9 x 7 ins., chiseled + for the point and 7 - H E S 518 on SE. face; and raise a mound of stone 4 ft. base, 2 ft. high SE. of cor.</td>
</tr>
<tr>
<td></td>
<td>No witnesses available. Pits impracticable.</td>
</tr>
<tr>
<td></td>
<td>Thence East.</td>
</tr>
<tr>
<td></td>
<td>Over level land.</td>
</tr>
<tr>
<td></td>
<td>0.15 Wire fence bears N. and S. Thence over cultivated land.</td>
</tr>
<tr>
<td></td>
<td>4.32 To cor. No. 8.</td>
</tr>
<tr>
<td></td>
<td>Deposit a basalt stone 6 x 4 x 2 ins. marked with a +, 16 ins. in the ground, over which set a basalt stone 26 x 12 x 10 ins., chiseled + for the point and 8 - H E S 518 on SW. face; and raise a mound of stone 4 ft. base, 2 ft. high SW. of cor.</td>
</tr>
<tr>
<td></td>
<td>No witnesses available. Pits impracticable.</td>
</tr>
<tr>
<td></td>
<td>Thence S. 27° 00' E.</td>
</tr>
</tbody>
</table>
Chains  Along foot of SW slope and NE edge of cultivated land.
4.60  SE cor. of cultivation.
11.72  To cor. No. 9.

Deposit a basalt stone 6 x 3 x 2 ins. marked with a +, 16 ins. in the ground, over which set a basalt stone 26 x 16 x 10 ins., chiseled + for the point and 9 -H E S 518 on SW face; and raise a mound of stone 4 ft. base, 2 ft. high SW. of cor.

No witnesses available. Pits impracticable.

Thence S. 86° 16' E.

9.99  To cor. No. 10.

Identical with the 1/4 sec. cor. bet. secs. 13 and 18, which is a limestone 16 x 8 x 6 ins. above ground, firmly set, marked 1/4 on W. face. I add + on top, and SW. and alongside set a limestone 24 x 8 x 7 ins. marked 10 - H E S 518 on SW. face; and raise a mound of stone 4 ft. base, 2 ft. high W. of cor.

No witnesses available. Pits impracticable.

Thence S. 0° 14' E.

Along line bet. secs. 13 and 18, S/2. Over W slope, through yucca palm. acts, mescal, and sacaton.

Desc. 50 ft. to cor.

7.00  Gulch, 50 ft. deep, 150 1bm. wide, course W.
17.00  Gulch, 40 ft. deep, 200 1bm. wide, course W.
40.20  To cor. No. 1, and point of beginning.

AREA

Total Area-----------------------------------159.98

Acres.
HOMESTEAD ENTRY SURVEY NO. 518
CORONADO NATIONAL FOREST
STATE OF ARIZONA

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

A frame shed, 12 x 16 ft., the long side extending E. and W. and the SE. cor. of which bears N. 46° 50' W., 81 lms. dist. from cor. No. 2.

Value--------------------------$40.00

A stone house, 16 x 20 ft., the long side extending E. and W. and the NE. cor. of which bears N. 29° 40' W., 224 lms. dist. from cor. No. 2.

Value--------------------------$2000.00

A frame shed, 12 x 14 ft., the long side extending E. and W. and the NE. cor. of which bears N. 28° 20' W., 259 lms. dist. from cor. No. 2.

Value--------------------------$15.00

A frame blacksmith shop, 12 ft. sq., the sides of which extend in cardinal directions, and the SW cor. of which bears N. 24° 50' W., 205 lms. dist. from cor. No. 2.

Value--------------------------$250.00

A well, 50 ft. deep, 12 ft. good water, and windmill bears N. 12° 35' E., 405 lms. dist. from cor. No. 3.

Value--------------------------$1500.00

DESCRIPTION
The claim is situated on Buck Creek, which flows from N. to S. across the land.

About 15 acres are in cultivation, and probably about 100 acres could be cultivated.

There is no timber on the land.

Water is obtained from a well near the house.

There were no indications of mineral upon the claim.
CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims. H. E. S. No. 271 lies about 3/8 of a mile South.

Bernardino, Arizona, the nearest railroad station and post office is about 7 miles by wagon road in a Southerly direction.

<table>
<thead>
<tr>
<th>Cor.</th>
<th>Course</th>
<th>Dist.</th>
<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
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</thead>
<tbody>
<tr>
<td>1-2</td>
<td>S. 3° 22' W.</td>
<td>28.76</td>
<td>28.71</td>
<td>1.69</td>
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<tr>
<td>2-3</td>
<td>West</td>
<td>4.00</td>
<td></td>
<td></td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>2-4</td>
<td>North</td>
<td>23.80</td>
<td>23.80</td>
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<td></td>
</tr>
<tr>
<td>4-5</td>
<td>N. 58° 00' W.</td>
<td>15.10</td>
<td>9.30</td>
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<td>11.90</td>
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<tr>
<td>5-6</td>
<td>N. 55° 00' W.</td>
<td>27.70</td>
<td>2.41</td>
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<td>27.59</td>
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<tr>
<td>5-7</td>
<td>N. 29° 43' E.</td>
<td>51.23</td>
<td>44.49</td>
<td></td>
<td>25.40</td>
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<tr>
<td>7-8</td>
<td>East</td>
<td>4.32</td>
<td></td>
<td></td>
<td>4.32</td>
<td></td>
</tr>
<tr>
<td>8-9</td>
<td>S. 27° 00' E.</td>
<td>11.72</td>
<td>10.44</td>
<td>5.32</td>
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<tr>
<td>9-10</td>
<td>S. 56° 16' E.</td>
<td>9.99</td>
<td>0.55</td>
<td>9.97</td>
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<tr>
<td>10-1</td>
<td>S. 0° 14' E.</td>
<td>40.20</td>
<td>40.20</td>
<td>0.16</td>
<td></td>
<td></td>
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</tbody>
</table>

Error in Lat. and Dep. 216.82 80.00 80.00 45.17 45.17

Closing Error, 1:21682.

Survey completed August 11, 1917.
### TABLE OF HOMESTEAD ENTRY SURVEY NO. 518, 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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</thead>
<tbody>
<tr>
<td>1-2</td>
<td>S1 3° 22' W</td>
<td>28.76</td>
<td>N. 28.71</td>
<td>E. 1.69</td>
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<td>23.80</td>
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<tr>
<td>3-4</td>
<td>North</td>
<td>27.70</td>
<td>27.59</td>
<td>25.40</td>
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<tr>
<td>4-5</td>
<td>N. 52° 00' W</td>
<td>15.10</td>
<td>E. 4.00</td>
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<tr>
<td>5-6</td>
<td>N. 85° 00' W</td>
<td>27.70</td>
<td>27.59</td>
<td>25.40</td>
<td>1130.49</td>
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<tr>
<td>6-7</td>
<td>N. 89° 43' E</td>
<td>51.23</td>
<td>E. 4.32</td>
<td>E. 55.14</td>
<td>64 78</td>
<td></td>
<td></td>
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<tr>
<td>7-8</td>
<td>East</td>
<td>4.32</td>
<td>10.44</td>
<td>5.32</td>
<td>64 78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8-9</td>
<td>S. 27° 00' E</td>
<td>11.72</td>
<td>E. 45.17</td>
<td>45.18</td>
<td>3700.54</td>
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<tr>
<td>9-10</td>
<td>S. 86° 16' E</td>
<td>9.99</td>
<td>E. 45.17</td>
<td>45.18</td>
<td>3700.54</td>
<td>6900.11</td>
<td></td>
</tr>
<tr>
<td>10-1</td>
<td>S 0° 14' E</td>
<td>40.20</td>
<td>80.00</td>
<td>80.00</td>
<td>3199.57</td>
<td>159.98</td>
<td></td>
</tr>
</tbody>
</table>

**Closing error 1:21682**
Survey

WILL apply for enlargement of the same to conform with said
and before submitting to make final proof on my entity,
agree that when notified that the survey has been approved
in 1917, by Forest Service Surveyor Lee C. Davis' and further
homestead, number 516 as made on the 11th day of August

I, WILLIAM D. GREEN hereby agree to the survey of my
APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, March 17, 1920

The foregoing field notes of Homestead Entry Survey No. 518

executed by Lee C. Davis, Surveyor

under his special instructions, dated March 24, 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.

FRANK P. TROTT

U. S. Surveyor General.