U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF
HOMESTEAD ENTRY SURVEY NO. 621

SITUATED IN THE CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 7, un-surveyed, Township 23 S., Range 10 E.
In Section 18, un-surveyed, Township 23 S., Range 10 E.

of the
GILA AND SALT RIVER BASE AND Meridian.
State of ARIZONA

Applicant for listing Jose A. Rodriguez,
Residence Arivaca, Arizona
Application No. 429, dated May 10, 1915
List No. 3-3775, dated March 14, 1916

Applicant for survey Eugene Shepherd,
Residence Arivaca, Arizona
H. E. No. 042020, dated May 16, 1919

Land Office Phoenix, Arizona

Survey executed by Thomas F. Myers, Surveyor - Forest Service

Under special instructions dated March 12, 1921
Survey commenced April 6, 1921
Survey completed April 10, 1921

Under acts of June 11, 1906, and May 31, 1920
OATH OF ASSISTANTS

We hereby certify that we assisted

**Surveyor, Forest Service**

(Forest Service Title)

parts or portions of Homestead Entry Survey No. 621, 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.

Nabor Chavez
Chairman

Francisco Frisco
Chairman

Subscribed and sworn to before me this 10th day of April, 1921

**Thomas P. Myers**

Surveyor - Forest Service

OATH OF SURVEYOR

1. Thomas P. Myers, Surveyor - Forest Service

(Forest Service Title)

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for ARIZONA, dated March 12, 1921, 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. | Patent No. | dated | for the same to be known as Homestead Entry Survey No. 621, situated within the, CORONADO National Forest, in the GILA AND SALT RIVER BASE & 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

<table>
<thead>
<tr>
<th>unsurveyed Section</th>
<th>Township</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>23 S.</td>
<td>10 E.</td>
</tr>
<tr>
<td>18</td>
<td>23 S.</td>
<td>10 E.</td>
</tr>
</tbody>
</table>

Subscribed and sworn to before me this thirtieth day of January, 1922.

**Ethel H. Myers**

Notary Public

My com. expires April 12, 1925.
Homestead Entry Survey No. 621

Coronado National Forest

State of Arizona

Chains

Applicant for listing, Jose A. Rodriguez; Application No. 422, dated May 10, 1915; List No.2-3773, dated March 14, 1916; H.S. 042020, made in the Phoenix Land Office on May 16, 1919, by Eugene Shepherd.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 12, 1921, and designated as Homestead Entry Survey No. 621.

Situated in what will probably be when surveyed Secs. 7 and 18, T. 25 S., R. 10 W., Gila and Salt River Base and Meridian.


Survey commenced April 5, 1921, and executed with a Bush and Bush transit No. 10019, 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.

April 5, 1921.

At my station near Cor. No. 6 of this survey hereinafter described, in latitude 31°25'45" N., longitude 111°21'30" W. from Forest Service Base Map, at 6h. 30m. p.m. 1.m.t. I observe Polaris at western elongation with telescope direct and mark my line of sight by a mark on a stake driven firmly in the ground 10 0ds. northwardly of my station.

At the same station at 6h. 30m. p.m. 1.m.t. I again observe Polaris with telescope reversed and mark my line
Chains of sight by a mark on the stake previously set 10 chs. northwardly of my station.
The two marks differ by less than 1/4 inch.
Azimuth of Polaris 1°18'29" W.
Accept bearing of reference mark as W. 1°18" W. and to the meridian thus determined all courses of this survey were referred by sustained angulation.

April 6, 1921.

April 7, 1921.
At 7h. 30m. a.m. l.m.t. I set off 5°48' N. on decl. arc and 31°25' on lat. arc, and determine a meridian with the solar at the above station.
The meridian thus determined agrees within less than 1 minute with the Meridian determined by Polaris observation.

RETRACEMENT

April 7, 1921.
Beginning at International Boundary Post No. 134, an iron post 1 ft. square, 6 ft. high, marked 134 on SE. Boundary of U. S., Treaty 1853, reestablished by Treaties of 1862-1869 on NW., and Limite de la Republica Mexicana Tratado de 1853 Restablecido por tratados de 1862-1869 on SW. face.
At the above monument at 10h. 30m. am. l.m.t. I set off 6°50' W. on decl. arc and 31°25' on lat. arc and determine a meridian with the solar.
Boundary Posts Nos. 134 and 135 are intervisible; the bearing of the line by solar is W. 69°30' W., which checks within less than 1 minute the bearing as recorded in the original survey.
Chains

Thence N. 69°30' W.

Retracing International Boundary between United States and Mexico.

70.00 At 12h. c.m. l.m.t., I set off 6°51' N. on decl. arc and observe the sun on the meridian. The resulting lat. is 31°25' N.

110.69 Cor. H/5 of List survey, hereinafter described, bears N. 20°30' E. 91 lks. distant.

128.24 Cor. H/1 of List survey hereinafter described, bears N. 20°30' E. 91 lks.

165.12 The Closing Cor. of T. 23 S., Rs. 9 and 10 E. on International Boundary Strip, an iron post 3 ins. dia. set in mound of stone 2 ft. base, 1 ft. high, with brass cap, marked 1918 on S rim CO T 23 S. in N/2, R 9 E, S 15 in NW/4, R 10 E, S 18 in SE/4, U S 2 L in S/2, with mound of stone 3 ft. base, 2 ft. high N. of Cor. bears North 96 lks.

307.04 Boundary Post No. 135 an iron post 6 ft. high marked 135 on SE, Boundary of U. S. Treaty of 1855 Established by Treaties of 1882-1889 on NE, and Limites de la Republica Mexicana Tratado de 1855. Restablecido por tratados de 1882-1889 on SW. face.

April 7, 1921.

April 8, 1921.

Return to Closing Cor. T. 23 S., Rs. 9 and 10 E. on International Boundary Strip, previously described, at 9 h. c.m. a.m. l.m.t., set off 7°11' N. on decl. arc and 31°26' on lat. arc and determine a meridian with the solar.

Thence North.

38.87 On random line between Secs. 13 and 18, fall 5-1/2 lks.
HOMESTEAD ENTRY SURVEY NO. 621
CORONADO NATIONAL FOREST
STATE OF ARIZONA

Chains
W. of Cor. of Secs. 7, 12, 13 and 18, an iron post 2 ins. dia. 10 ins. above ground with brass cap marked 1916 on S rim, T 23 S in N/2; R 9 W, S 12 in NW/4; R 10 W, S 7 in NE/4; S 13 in SW/4 and S 18 in SE/4, with mound of stone 3 ft. base, 2 ft. high W. of Cor. True line is N. 0°03' E. 36.87 chs.
Qobs. for lat. impracticable. Clouds at noon.

April 8, 1921.

BOUNDARIES OF CLAIM

April 9, 1921.
Beginning at Cor. No. 1.
Identical with Cor. N/5 of the List survey, which is a granite stone 8x8x8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.
Deposit a granite stone 13x13x13 ins. marked with a + 18 ins. in the ground, over which set a granite stone 28x30x14 ins. chiseled + for the point and 1 HES 621 on NW face; raise a mound of stone 3 ft. base, 2 ft. high NW. of Cor., whence:
A mesquite 6 ins. dia. brs. S. 47°26' W. 44 lcks.
A hackberry 14 ins. dia. brs. N. 62°55' W. 147 lcks.
Each blazed and scribed 1 HES 621 + 3T.
International Boundary Post No. 134, previously described, bears S. 69°02' E. 110.69 chs. dist. by direct measurement.

Lat. 31°25'20" N. Long. 111°21'30" W. from Forest Service Base Map.
Mag. decl. at SH. comm. a.m. 13°47' E. Mean
Mag. decl. 12°44' E.

Note: All the courses of this survey hereinafter re-
Chains cored were deflected by sustained angulation from the meridian established by me by Polaris obsn. on April 6, previously recorded.

Thence N. 69°30' W.
Parallel to international boundary line 91 lks. distant, over level bottom land through dense mesquit, catclaw and hackberry.

10.40 paces bellotam wash 30 lks. wide 3 ft. deep (dry). Course SSE.

12.80 Wire fence bears N. and S.

17.56 To Cor. No. 2.

Identical with Cor. H/1 of the list survey, which is a granite stone 12x12x14 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a porphyry stone 4x3x2 ins. marked with a + 14 ins. in the ground, over which set a granite stone 24x12 x12 ins. chiseled + for the point and 2. 1255 on NE face; raise mound of stone 3 ft. case, 2 ft. high, NW of Cor. No witnesses available, pits impracticable.

April 9, 1921.

April 10, 1921.

Thence N. 4°39' W.

Over rolling E. slope through mesquit, catclaw and hackberry.

72.17 To Cor. No. 3.

Identical with Cor. H/2 of the list survey, which is a granite stone 10x5x8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a granite stone 14x4 ins. marked with a + 20 ins. in the ground, over which set a granite stone 26x10x8 ins. chiseled + for the point and 3 MFS 621 on
Chains

SE. face; raise a mound of stone 3 ft. base 2 ft. high

SH. of Cor., whence:

An oak 36 ins. dia. br. 8. 40°10' W. 26 lks.

An oak 40 ins. dia. br. 8. 21°12' W. 59 lks.

Each blazed and scribed 3 HES 621 + BT.

The Cor. of Secs. 7, 12, 13 and 10, T. 23 S., R. 9 & 10 E., previously described, bears 8. 55°22'23" W. 36.22 chs., by traverse which appears at the end of these notes.

Thence S. 88°33' E.

Through mesquit, oak and hackberry, over bottom land.

3.80 Arroyo 1b lks. wide, 3 ft. deep. Course south.

3.40 Tres Bellotas wash 30 lks. wide, 3 ft. deep (dry).

Course SW.

13.80 To Cor. No. 4.

Identical with Cor. 1/3 of the list survey, which is a granite stone 12x9x10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a granite stone 1x4x6 ins. marked with a + 10 ins. in the ground, no solid rock, over which set a porphyry stone 8x9x8 ins. chiseled + for the point and 4 HES 621 on SW. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of Cor. whence;

An oak 24 ins. dia. blazed and scribed

4 HES 621 + BT bears 8. 73°30' W. 115 lks.

No other witnesses in limits. Fits impracticable.

Thence S. 21°27' E.

Over rolling land through scrub oak, catclaw, mesquit and hackberry.

46.14 To Cor. No. 5.

Identical with Cor. H/4 of the list survey, which is a granite stone 12x9x12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy
HOMESTEAD ENTRY SURVEY NO. 621
CORONADO NATIONAL FOREST
STATE OF ARIZONA

Chains all trace of this list Cor.
Deposit a granite stone 1x2x5 ins. marked with s + 17 ins. in the ground, over which set a porphyry stone 27x12x8 ins. chiseled + for the point and 5 HMS 621 on W. face; raise a mound of stone 3 ft. base 2 ft. high W. of Cor., whence:
A mesquit 7 ins. dia. bears N. 6°40' W. 70 lvs.
A mesquit 6 ins. dia. bears N. 64°42' W. 26 lvs.
Each blazed and scribed 5 HMS 621 + BT.

Thence S. 18°32' W.
Over rolling west slope through mesquit and catclaw.
35.81 to Cor. no. 1, the place of beginning.

AREA
Total Area- 158.25 acres.

IMPROVEMENTS
The improvements made upon and for the benefit of this claim and belonging to the claimant consist of the following:
An adobe house 25x30 ft., the long sides extending N. and W., the SE. Cor., of which bears N. 86°13' W. 8.50 chs. from Cor. No. 5.
Value - - - - - - - - - - - - - - - - - - - $200.00
An adobe dwelling 10x40 ft. with 13 ft. N. on NW. Cor., the long side extending N. and S. The SE Cor. bears N. 82°39' W. 7.79 from Cor. no. 0.
Value - - - - - - - - - - - - - - - - - - - $2,000.00
A frame shed 10x20 ft., the long sides extending N. and S., the NE. Cor. of which bears N. 86°49' W. 6.74 chs. from Cor. No. 5.
Value - - - - - - - - - - - - - - - - - - - $200.00
A pole corral 30x30 ft., half of which is covered for a shed, the sides of which extend N. and S., the NE. Cor. of which bears N. 88°36' W. 7.03 chs. from Cor. No. 5.

Value — — — — — — — — $50.00

An outhouse 4x6 ft., sides extending N. and S., the SW. cor. of which bears N. 76°29' W. 6.90 chs. from Cor. No. 5.

Value — — — — — — — — $10.00

An adobe house (not habitable) 16x20 ft., the long side extending N. and S., the NE. Cor. of which bears S. 81°23' W. 9.03 chs. from Cor. No. 5.

Value — — — — — — — — $10.00

A dug well 4x4x20 ft. timbered with windmill, also equipped with gasoline engine pump and tread pump. The center of windmill bears S. 89°32' W. 14.99 from Cor. No. 5.

Value — — — — — — — — $300.00

A galvanized iron water tank, 15 ft. dia. by 10 ft. deep, the center of which bears S. 87°53' W. 14.89 from Cor. No. 5.

Value — — — — — — — — $500.00

A galvanized iron water tank 15 ft. dia. 10 ft. deep, the center of which bears S. 89°32' W. 14.99 chs. from Cor. No. 5.

Value — — — — — — — — $500.00

A pole corral 200 ft. sq., sides extending in cardinal directions, the NE. Cor. of which bears N. 89°49' W. 12.82 chs. from Cor. No. 5.

Value — — — — — — — — $100.00

Two cement watering troughs in corral

Value — — — — — — — — $200.00

About 1 mile of wire fencing on the claim.

Value — — — — — — — — $100.00
DESCRIPTION

The claim is comprised mainly of bottom land in Tres Bellotes Wash. The soil is a brown sandy loam varying from 12 to 18 ins. in depth and underlaid with sand and gravel. About 120 acres of the area would be considered as suitable for agricultural purposes, of which amount approximately 30 acres showed evidence of having been under cultivation. The remainder of the agricultural area is covered with a heavy growth of mesquite and catclaw. The areas along the foothills are suitable for grazing purposes only.

During average years there is a sufficient flow of water in spring and rainy season, in Tres Bellotes Wash, which traverses the claim from north to south, to irrigate a good portion of the agricultural area. Water for domestic use is obtained from the well on the claim. During the dry season this will also furnish sufficient water for a large number of cattle.

Owing to the distance from markets and the lack of roads, the claim is at present primarily of value for a stock ranch headquarters, for which it is being used. There is no timber of commercial value on the claim. I saw no indication of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

Arivaca, Arizona, the nearest Postoffice and trading point, lies about 12 miles distant in a northerly direction and is reached by fair wagon road.
<table>
<thead>
<tr>
<th>Chains</th>
<th>TRAVERSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course</td>
<td>Dist.</td>
</tr>
<tr>
<td>N. 68°30'W</td>
<td>17.55</td>
</tr>
<tr>
<td>N. 4°39' W</td>
<td>72.17</td>
</tr>
<tr>
<td>S. 88°30'E</td>
<td>13.80</td>
</tr>
<tr>
<td>S. 21°27'E</td>
<td>46.14</td>
</tr>
<tr>
<td>S. 13°32'W</td>
<td>36.81</td>
</tr>
<tr>
<td></td>
<td>155.47</td>
</tr>
</tbody>
</table>

Error in lat. and dep. 0.05 0.00

Closing Error 1/3091

Traverse line Cor. No. 3 to Cor. Secs. 7, 12, 13 and 18, R. 23 S., RRs. 9 & 10 E.

<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>S. 0°03'W</td>
<td>38.87</td>
<td></td>
<td>38.87</td>
<td></td>
<td>.03</td>
</tr>
<tr>
<td>South</td>
<td>.96</td>
<td></td>
<td>.96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. 69°30'E</td>
<td>36.86</td>
<td></td>
<td>12.92</td>
<td></td>
<td>34.54</td>
</tr>
<tr>
<td>N. 20°20'E</td>
<td>.91</td>
<td>.85</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. 4°39'W</td>
<td>72.17</td>
<td></td>
<td>71.93</td>
<td></td>
<td>5.85</td>
</tr>
</tbody>
</table>

Resultant course S. 55° 22' 33" W. 35.22'

Note: Any discrepancy between these field notes and those of the listing survey is due to error in the latter.

Survey completed April 10, 1921.

[Signature]
Surveyor Forest Service
### TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 221, 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>
</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>3261</td>
<td>1 - 272.667</td>
<td>17.55</td>
<td>6.15</td>
<td>16.44</td>
<td>28.14</td>
<td>175.06</td>
<td></td>
</tr>
<tr>
<td>3261</td>
<td>2 - 12.333</td>
<td>72.17</td>
<td>71.92</td>
<td>5.85</td>
<td>5.85</td>
<td>420.61</td>
<td></td>
</tr>
<tr>
<td>3261</td>
<td>3 - 47.667</td>
<td>12.80</td>
<td>36</td>
<td>15.80</td>
<td>15.80</td>
<td>3.59</td>
<td></td>
</tr>
<tr>
<td>3261</td>
<td>4 - 12.333</td>
<td>46.14</td>
<td>15.87</td>
<td>44.47</td>
<td>1910.48</td>
<td>1910.48</td>
<td></td>
</tr>
<tr>
<td>3261</td>
<td>5 - 177.222</td>
<td>25.81</td>
<td>30.67</td>
<td>20.67</td>
<td>583.67</td>
<td>2758.68</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>195.47</td>
<td>78.05</td>
<td>78.02</td>
<td>0</td>
<td>593.67</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>05</td>
<td>00</td>
<td>00</td>
<td></td>
<td>583.67</td>
<td></td>
</tr>
<tr>
<td>Closing Error 1/9991</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traverse Tie Cor. No. 3 to Cor. Secs. 7, 12, 13 &amp; 18, S. 25 S., R. 9 &amp; 10 E.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3261</td>
<td>S. 0°02'N</td>
<td>28.87</td>
<td>22.87</td>
<td>03</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>South</td>
<td>0.99</td>
<td>9.99</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3261</td>
<td>S. 69°30'E</td>
<td>26.88</td>
<td>12.92</td>
<td>34.64</td>
<td>19.12</td>
<td>19.12</td>
<td></td>
</tr>
<tr>
<td></td>
<td>North</td>
<td>0.91</td>
<td>0.91</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>3261</td>
<td>N. 20°30'E</td>
<td>72.17</td>
<td>71.92</td>
<td>5.85</td>
<td>5.85</td>
<td>5.85</td>
<td></td>
</tr>
<tr>
<td></td>
<td>North</td>
<td>0.91</td>
<td>0.91</td>
<td>5.85</td>
<td>5.85</td>
<td>5.85</td>
<td></td>
</tr>
<tr>
<td>3261</td>
<td>N. 46°30'E</td>
<td>72.17</td>
<td>71.92</td>
<td>5.85</td>
<td>5.85</td>
<td>5.85</td>
<td></td>
</tr>
<tr>
<td></td>
<td>North</td>
<td>0.91</td>
<td>0.91</td>
<td>5.85</td>
<td>5.85</td>
<td>5.85</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3261</td>
<td>28.01</td>
<td>26.00</td>
<td>26.00</td>
<td>26.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resultant course</td>
<td>N. 22°32'22&quot;</td>
<td>W. 24°22'</td>
<td>F.P. T.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Error in lat. & dep. | 0.5 |

Note: The corrections for balancing failures should be proportional to the lengths of the lines.
APPROVAL

Office of the United States Surveyor General,

PHOENIX, ARIZ., March 29, 1922

The foregoing field notes of Homestead Entry Survey No. 621

executed by Thomas F. Ingers, Surveyor

under his special instructions, dated March 12, 1921, 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 F. TROTT

U. S. Surveyor General.