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MAR 11 1921
MAR 25 1921

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

ORIGINAL

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** , 19**15**

List No. **3-3775** , dated **March 14** , 19**16**

Applicant for survey **Eugene Shepherd,**

Residence **Arivaca, Arizona.**

H. E. No. **042020** , dated **May 16,** , 19 **19.**

Land Office **Phoenix, Arizona**

Survey executed by **Thomas F. Myers, Surveyor - Forest Service**
(Forest Service Title)

Under special instructions dated **March 12** , 19**21**

Survey commenced **April 6** , 19**21**

Survey completed **April 10** , 19**21**

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.]

Thomas F. Myers,
in surveying all those

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 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 Oaths
to Assistants; hence they
were taken by the Surveyor.**

Nabor Chavez Chainman

Francisco Zepeda Chainman

Subscribed and sworn to before me this **10th** day of
April, 19 **21**

Thomas F. Myers

Surveyor - Forest Service

OATH OF SURVEYOR

I, **Thomas F. Myers,** **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
March 12, 19 **21**, 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. **3-3775**, dated **March 14**, 19 **16**, for
Patent, under the Act of **June 11**, 19 **06**,
the same to be known as Homestead Entry Survey No. **621**,
situated within the **CORONADO** National Forest, in
un surveyed Section **7**, Township **23 S.**, Range **10 E.**, and
un surveyed Section **18**, Township **23 S.**, Range **10 E.**,

of 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

Thomas F. Myers

Surveyor - Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this **thirtieth** day of
January, 19 **22**

Ethel H. Myers

Notary Public



8-2349

My com. expires April 12, 1925.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Jose A. Rodriguez; Application No. 429, dated May 10, 1915; List No. 3-3775, dated March 14, 1916; H.E. 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. 23 S., R. 10 E., Gila and Salt River base and meridian.

Surveyed under the Acts of June 11, 1906, and May 31, 1920.

Survey commenced April 6, 1921, and executed with a Buff and Buff 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 6, 1921.
At my station near Cor. No. 5 of this survey hereinafter described, in latitude $31^{\circ}25'45''$ N., longitude $111^{\circ}21'30''$ W. from Forest Service Base Map, at 6h. 30m. p.m. l.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 chs. northwardly of my station.

At the same station at 6h. 35m. p.m. l.m.t. I again observe Polaris with telescope reversed and mark my line

CORONADO NATIONAL FOREST

STATE OF ARIZONA

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 N. 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 6°48' N. on decl. arc and 31°26' 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 1882-1889 on NE., and Limite de la Republica Mexicana Tratado de 1853 Restablecido por tratados de 1882-1889 on SW. face.

At the above monument at 10h. 20m. am. l.m.t. I set off 6°50' N. 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 N. 69°30' W., which checks within less than 1 minute the bearing as recorded in the original survey.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains	Thence N. $69^{\circ}30'$ W.
	Retracing International Boundary between United States and Mexico.
70.00	At 12h. oom. l.m.t., I set off $6^{\circ}51'$ N. on decl. arc and observe the sun on the meridian. The resulting lat. is $31^{\circ}25'$ N.
110.69	Cor. H/5 of List survey, hereinafter described, bears N. $20^{\circ}30'$ E. 91 lks. distant.
128.24	Cor. H/1 of List survey hereinafter described, bears N. $20^{\circ}30'$ 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 CC on T 23 S. in N/2, R 9 E, S 13 in NW/4, R 10 E, S 18 in SE/4, U S P L in S/2, with mound of stone 3 ft. base, 2 ft. high N. of Cor. bears North 98 lks.
307.04	Boundary Post No. 135 an iron post 6 ft. high marked 135 on SE, Boundary of U. S. Treaty of 1853 Reestablished by Treaties of 1882-1889 on NE, and Limite de la Republica Mexicana Tratado de 1853. 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. oom. a.m. l.m.t., set off $7^{\circ}11'$ N. on decl. arc and $31^{\circ}26'$ on lat. arc and determine a meridian with the solar.
	Thence North.
38.87	On random line between Secs. 13 and 18, fall $3\text{-}1/2$ lks.

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 1918 on S rim, T 23 S in N/2; R 9 E, S 12 in NW/4; R 10 E, 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. 38.87 chs. Obsn. for lat. impracticable. Clouds at noon. April 8, 1921.

BOUNDARIES OF CLAIM

April 9, 1921.

Beginning at Cor. No. 1.

Identical with Cor. H/5 of the List survey, which is a granite stone 8x6x6 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 + 18 ins. in the ground, over which set a granite stone 28x20x14 ins. chiseld + 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 mesquit 6 ins. dia. brs. S. 47°36' W. 44 lks.

A hackberry 14 ins. dia. brs. N. 62°55' W. 147 lks.

Each blazed and scribed 1 HES 621 + BT.

International Boundary Post No. 134, previously described, bears S. 69°02' E. 110.69 chs. dist. by direct measurement.

Lat. 31°25'30" N. Long. 111°21'30" W. from Forest Service Base Map.

Mag. decl. at 8h. oom. a.m. 13°47' E. Mean

Mag. decl. 13°44' E.

Note: All the courses of this survey hereinafter re-

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains corded were deflected by sustained angulation from the meridian established by me by Polaris obsn. on April 6, previously recorded.

Thence, N. $69^{\circ}30'$ W.

Parallel to international boundary line 91 lks. distant, over level bottom land through dense mesquit, catclaw and hackberry.

10.40 Tres Bellotas wash 30 lks. wide 3 ft deep (dry). Course SSE.

12.80 Wire fence bears N. and S.

17.55 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 24x12x12 ins. chiseled + for the point and 2 HES on NE face; raise mound of stone 3 ft. base, 2 ft. high NE. of Cor. No witnesses available, pits impracticable.

April 9, 1921.

April 10, 1921.

Thence N. $4^{\circ}39'$ 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 10x8x8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a granite stone 1x4x4 ins. marked with a + 20 ins. in the ground, over which set a granite stone 28x10x8 ins. chiseled + for the point and 3 HES 621 on

6.

- Chains SE. face; raise a mound of stone 3 ft. base 2 ft. high
SE. of Cor., whence;
- An oak 36 ins. dia. brs. S. $40^{\circ}10'$ W. 26 lks.
An oak 40 ins. dia. brs. N. $21^{\circ}12'$ E. 59 lks.
Each blazed and scribed 3 HES 621 + BT.
- The Cor. of Secs. 7, 12, 13 and 18, T. 23 S., Rs. 9 & 10
E., previously described, bears S. $55^{\circ}22'33''$ W. 35.22
chs., by traverse which appears at the end of these notes.
-
- Thence S. $88^{\circ}55'$ E.
- Through mesquit, oak and hackberry, over bottom land.
- .20 Arroyo 15 lks. wide, 3 ft. deep. Course south.
- 3.40 Tres Bellotas wash 50 lks. wide, 3 ft. deep (dry).
Course SW.
- 15.80 To Cor. No. 4.
- Identical with Cor. H/3 of the list survey, which is a
granite stone $12 \times 6 \times 10$ ins. above ground, marked and
witnessed as described by the Forest Service. I destroy
all trace of this list Cor.
- Deposit a granite stone $1 \times 4 \times 6$ ins. marked with a + 10 ins.
in the ground, on solid rock, over which set a porphyry
stone $26 \times 11 \times 8$ 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 N. $73^{\circ}53'$ W. 115 lks.
No other witnesses in limits. Pits impracticable.
-
- Thence S. $21^{\circ}27'$ 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 $12 \times 8 \times 12$ ins. above ground, marked and
witnessed as described by the Forest Service. I destroy

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains all trace of this list Cor.

Deposit a granite stone 1x4x5 ins. marked with a + 17 ins in the ground, over which set a porphyry stone 27x12x8 ins. chiseled + for the point and 5 HES 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 lks.

A mesquit 6 ins. dia. bears N. 64°42' E. 26 lks.

Each blazed and scribed 5 HES 621 + BT.

Thence S. 13°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 E. 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 15x40 ft. with 12 ft. L on NW. Cor., the long side extending N. and S. The SE Cor. bears N. 82°38' W. 7.79 from Cor. no. 5.

Value - - - - - \$2,000.00

A frame shed 16x20 ft., the long sides extending N. and S., the NE. Cor. of which bears N. 88°49' W. 6.74 chs. from Cor. No. 5.

Value - - - - - \$200.00

Chains

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°56' W. 7.03 chs. from Cor. No. 5.

Value - - - - - \$50.00

An outhouse 4x6 ft., sides extending N. and S., the SE. Cor. of which bears N. 76°29' W. 6.50 chs. from Cor. No. 5.

Value - - - - - \$10.00

An adobe house (not habitable) 15x20 ft., the long side extending N. and S., the NE. Cor. of which bears S. 81°25' 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 - - - - - \$800.00

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°35' 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

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

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 mesquit 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.

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HOMESTEAD ENTRY SURVEY NO. 621

CORONADO NATIONAL FOREST

STATE OF ARIZONA

10.

Chains

TRAVERSES

Course	Dist.	N	S	E	W
N. 69°30' W.	17.55	6.15			16.44
N. 4°39' W.	72.17	71.93			5.85
S. 88°55' E.	13.80		.26	13.80	
S. 21°27' E.	46.14		42.94	16.87	
S. 13°32' W.	35.81		34.82		8.38
	185.47	78.08	78.02	30.67	30.67

Error in lat. and dep. 06 00 00

Closing Error 1/3091

Traverse tie Cor. No. 3 to Cor. Secs.

7, 12, 13 and 18, T. 23 S., Rs. 9 & 10 E.

Course	Dist.	N	S	E	W
S. 0°03' W.	38.87		38.87		.03
South	.98		.98		
S. 69°30' E.	36.88		12.92	34.54	
N. 20°30' E.	.91	.85		.32	
N. 4°39' W.	72.17	71.93			5.85
		72.78	52.77	34.86	5.88
		52.77		5.88	
		20.01		28.98	

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.

Thomas J. Myers
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. Do not change the footing of the original figures, but put below them the corrected footing in red ink. The corrections for balancing fallings should be proportional to the lengths of the lines.
 3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. L. O.
 4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

8-2349

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 621, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.						
35021 1 - 293667	N. 69°30' W.	17.55	6 15			16 44	28 14		173 06			
08107 2 - 399671	N. 4°39' W.	72.17	71 93			5 85	5 85		420 61			
01891 3 - 499982	S. 88°55' E.	13.80		26 96	13 80		13 80			3 59		3.59
26569 4 - 593074	S. 21°27' E.	46.14		42 94	16 87		44 47			1910 43		1910.43
23401 5 - 197223	S13°32' W.	35.81		34 82		8 38	52 96			1844 60		1844.60
		185.47	78 08	78 02	30 67	30 67			593 67	3758 62		3758.62
	Error in lat. & dep.			05 06			00			593 67		593.67
	Closing Error 1/3091									20/ 3164 95		3164.95
										158 2475		158.2475
			Traverse Tie Cor. No. 3 to Cor. Secs. 7, 12, 13 & 18, T. 23 S., Rs. 9 & 10 E.									
00087	S. 0°03' W.	38.87		38 87		03						F.P.T.
	South	.98		98								
35021 - 93667	S. 69°30' E.	36.88		12 92	34 54							
" "	N. 20°30' E.	.91	85		32							
08107 99671	N. 4°39' W.	72.17	71 93			5 85						
			72 78	52 77	34 86	5 88						
			52 77		5 88							
06821 - 82288			20 01		28 98							
	Resultant course	S. 55° 22' 33" W.	35.22									F.P.T.

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APPROVAL

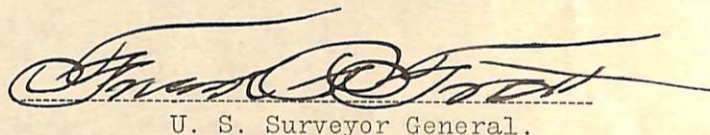
Office of the United States Surveyor General,

PHOENIX, ARIZ., *March 29*, 1922

The foregoing field notes of Homestead Entry Survey No.

621

executed by *Thomas F. Myers, Surveyor* [Forest Service Title.]
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 P. TROTT

U. S. Surveyor General.