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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

ORIGINAL

HOMESTEAD ENTRY SURVEY NO. 595

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 11, un-surveyed, Township 4 N., Range 30 E.
In Section 14, un-surveyed, Township 4 N., Range 30 E.
In Section 15, un-surveyed, Township 4 N., Range 30 E.

of the

GILA AND SALT RIVER BASE AND Meridian.

State of
ARIZONA.

Applicant for listing Chas. Ernest Reynolds
Residence Espero, Arizona
Application No. 345, dated November 10, 1914
List No. 3-3658, dated September 23, 1915

Applicant for survey Wm. E. Denniston
Residence Espero, Arizona

Wm. E. Denniston, H.E. No. 036199, dated September 11, 1917 *Rel. 8/29/19*
Basil L. Burke, H.E. No. 050987, dated April 14, 1921 *Rel. 4/26/22*
T. DeWitt Cosper, H.E. No. 053688, dated April 26, 1922.
Land Office Phoenix, Arizona.

Survey executed by Thomas F. Myers, Surveyor - Forest Service
Under special instructions dated May 14, 1919
Survey commenced June 14, 1921
Survey completed June 14, 1921
Under Acts of June 11, 1906, and May 31, 1920

wait for 594

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OATH OF ASSISTANTS

We hereby certify that we assisted **Thomas F. Myers,**
Surveyor - Forest Service in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **595**, 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.

ER Lackee

Chainman

Colin Morris

Chainman

Subscribed and sworn to before me this **14th** day of

June, 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
May 14, 19 **19**, 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. 3-3658, dated September 23, 1915, and a tract of
land upon the application of Chas. Ernest Reynolds

Application, No. **345**, dated **November 10, 1914**, for listing and
patent, under the Act of **June 11, 1906**,
the same to be known as Homestead Entry Survey No. **595**,
situated within the **APACHE** National Forest, in
un-surveyed Section **11**, Township **4 N**, Range **30 E**, and
un-surveyed Section **14**, Township **4 N**, Range **30 E**,
un-surveyed Section **15**, Township **4 N.**, Range **30 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 **5th** day of

April, 19 **22**

Ethel S. Myers

Notary Public



3-2349

My comm. expires April 12, 1925.

HOMESTEAD ENTRY SURVEY NO. 595

APACHE NATIONAL FOREST

1.

STATE OF ARIZONA

Chains

Applicant for listing, Chas. Ernest Reynolds; Application No. 345, dated November 10, 1914; List No. 3-3658, dated September 23, 1915; H.E. 036199, made in the Phoenix Land Office on September 11/1917, by William E. Denniston.

Also a tract of unlisted land adjoining claimant's entry was included in this survey. The land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry. This is therefore a composite survey.

Surveyed under special instructions from the Surveyor General for Arizona, dated May 14, 1919, and designated as Homestead Entry Survey No. 595.

Situated in what probably will be when surveyed Secs. 11, 14 and 15, T. 4 N., R. 30 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona. Surveyed under the Acts of June 11, 1906, and May 31, 1920.

Survey commenced June 14, 1921, 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.

June 14, 1921.

At my station near Cor. No. 1 of this survey in Lat. 33°41'18" N., Long. 109°12'44" W. from Forest Service Base Map, at 6h. 43m. p.m. l.m.t., I observe Polaris

Chains

with telescope direct, reading an angle of $62^{\circ}45'$ from star to left to reference mark, a nail in a stake set firmly in the ground 10.00 chs. northwesterly from my station.

Greenwich mt. U. C. Polaris, June 14, 1921, 8h 04.1m a.m.

Corr for Long. 1.2

l.m.t. U. C. Polaris, June 14, 1921, 8h 02.9m a.m.

l.m.t. obsn. Polaris, June 14, 1921, 6h 43.0m p.m.

Hour angle 10h 40.1 m

Azimuth of Polaris $0^{\circ}26'42''$ W.

Bearing of reference mark N. $63^{\circ}11'42''$ W.

At the same station at 6h. 44m. 30s. p.m., l.m.t., I again observe Polaris with telescope reversed, reading an angle of $62^{\circ}46'$ from star to left to same reference mark.

l.m.t. U. C. Polaris, June 14, 1921, 8h 02.9m a.m.

l.m.t. obsn. Polaris, June 14, 1921, 6h 44.5m p.m.

Hour angle 10h 41.6m

Azimuth of Polaris $0^{\circ}26'12''$ W.

Bearing of reference mark N. $63^{\circ}12'12''$ W.

Mean bearing of reference mark as determined from the two obsns. is N. $63^{\circ}11'57''$ W. I accept bearing of reference mark as N. $63^{\circ}12'$ W., and to the corresponding meridian all courses of this survey were referred by sustained angulation.

Note: The courses of this survey were run from the Azimuth as carried forward from HES. 592, and subsequently corrected to the meridian as above determined.

BOUNDARIES OF CLAIM

June 14, 1921.

Beginning at Cor. No. 1.

Identical with Cor. H/1 of the list survey, which is a

APACHE NATIONAL FOREST

STATE OF ARIZONA

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malpais stone 18x14x12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a malpais stone 5x3x3 ins., marked with a + 14 ins. in the ground, over which set a malpais stone 24x12x8 ins. chiseled + for the point and 1 HES 595 on NW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high NW. of Cor., whence:

A pine 40 ins. dia. brs. N. 52°30' E. 66 lks.

A pine 10 ins. dia. brs. S. 48°00' E. 43 lks.

Each blazed and scribed 1 HES 595 + BT.

U.S.L.M. 594 HES. (established by me on June 12, 1921, in connection with the survey of HES. 594), an embedded malpais boulder showing 55x46x22 ins. above ground, chiseled + on top for the point and USLM 594 HES on NE. face, with mound of stone 9 ft. base 7 ft. high NE. of U.S.L.M., bears S. 78°47'45" W. 30.78 chs. distant by traverse which appears at the end of these notes.

Cor. No. 1 of HES 597 (established by me on June 12, 1921, a malpais stone 12x8x10 ins. above ground, chiseled + on top and 1 HES 597 on SW. face, with mound of stone 2 ft. base 1-1/2 ft. high SW. of Cor., bears S. 61°05'53" W. 66.69 chs. distant by traverse which appears at the end of these notes.

Cor. No. 2 of HES. 594 (established by me on June 16, 1921), a malpais stone 16x8x8 ins. above ground, chiseled + on top and 2 HES 594 on S. face, with mound of stone 2 ft. base 1-1/2 ft. high SE of Cor. bears S. 38°57'17" E. 16.38 chs. by traverse which appears at the end of these notes.

comp. with 594

APACHE NATIONAL FOREST

STATE OF ARIZONA

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Chains Lat 33°41'18" N., Long. 109°12'44" W., from Forest Service Base Map.

Mag. decl. at 9 a.m. 13°30' E. Mean mag. decl. 13°27' E.

Thence N. 84°02' W.

Over rolling N. slope, through scattering pine.

15.50 Arroyo 10 lks. wide, 2 ft. deep, course N.

59.80 Arroyo 10 lks. wide, 1 ft. deep, course N.

63.71 To Cor. No. 2.

Identical with Cor. H/4 of the list survey, which is a malpais stone 16x14x10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a malpais stone 7x6x4 ins., marked with a + 20 ins. in the ground, over which set a malpais stone 30x20x10 ins. chiseled + for the point and 2 HES 595 on NE. face; raise a mound of stone 2 ft. base 1-1/2 ft. high NE. of Cor., whence:

A pine 24 ins. dia. brs. S. 23° W. 205 lks.

A pine 15 ins. dia. brs. S. 88° W. 179 lks.

Each blazed and scribed 2 HES 595 + BT.

Thence N. 13°04' E.

Over open land, fence outside of line.

.15 Road, bears NE. and SW.

6.08 Cor. H/3 of the list survey, which is a malpais stone 18x15x20 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor. Leave listed and enter unlisted land.

7.82 Beaver Creek (dry) 30 lks. wide, banks 1 ft. high, course N. 80° W. Ascend S. slope 18 ft.

8.95 To Cor. No. 3.

Deposit a malpais stone, 6x6x6 ins., marked with a + 15

Chains	<p>ins. in the ground, over which set a malpais stone 25x10x8 ins. chiseled + for the point and 3 HES 595 on SE. face; raise a mound of stone 2 ft. base 1-1/2 ft. high SE. of Cor., whence:</p> <p>A pine 26 ins. dia. brs. S. 51°08' E. 95 lks. A pine 24 ins. dia. brs. S. 87°22' E. 87 lks. Each blazed and scribed 3 HES 595 + BT.</p> <hr/> <p>Thence N. 69°50' E.</p> <p>Over rolling rocky SW. slope through scattering pine. Ascend 30 ft. over unlisted land.</p> <p>10.60 Fence bears N. and S.</p> <p>25.00 Enter NW. edge of cultivated field bears SE. and NW.</p> <p>26.70 Leave cultivated field bears SE. and NW.</p> <p>39.14 To Cor. No. 4.</p> <p>Deposit a malpais stone 8x4x2 ins., marked with a + 16 ins in the ground, over which set a malpais stone 26x12x5 ins. chiseled + for the point and 4 HES 595 on S. face; raise a mound of stone 2 ft. base 1-1/2 ft. high S. of Cor., whence:</p> <p>A pine 16 ins. dia. brs. S. 66°06' E. 21 lks. A pine 18 ins. dia. brs. S. 0°37' E. 25 lks. Each blazed and scribed 4 HES 595 + BT.</p> <p>Identical with Cor. H/2 of the list survey, which is a malpais stone 14x12x10 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 13°00' W. 275 lks. I destroy all trace of this list Cor.</p> <hr/> <p>Thence S. 40°33' E.</p> <p>Over rolling rocky SW. slope, through scattering pine.</p> <p>5.50 Arroyo 30 lks. wide 6 ft. deep, course SW.</p> <p>11.80 Fence, bears NNW. and SSE.</p> <p>28.20 Fence, bears E. and W. Leave timber, thence over open sandy draw.</p> <p>36.90 Ascend gentle SW. slope 5 ft.</p>
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6.

APACHE NATIONAL FOREST

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37.91 To Cor. No. 1, the place of beginning.

AREA

Unlisted area - - - - -	13.41 acres
Listed area - - - - -	84.42 "
Total area - - - - -	97.83 acres

IMPROVEMENTS

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

A log house 16x22 ft., the long sides extending E. and W., the NW. cor. of which bears S. 62°28' E. 4.07 chs. from Cor. No. 3.

Value - - - - - \$250.00

A log barn 14x20 ft., the long sides extending N. and S. the SW. Cor. of which bears S. 71°57' E. 2.99 chs. dist. from Cor. No. 3.

Value - - - - - \$ 75.00

A log shed 8x10 ft., the long sides extending N. and S., the SW. cor. of which bears S. 72°45' E. 4.21 chs. from Cor. No. 3.

Value - - - - - \$ 10.00

A pole corral 60 ft. dia., the center of which bears S. 86°35' E. 2.88 chs. from Cor. No. 3.

Value - - - - - \$ 50.00

About 2 miles of fencing, mostly on outside of claim.

DESCRIPTION

The claim is situated on the head of Beaver Creek and is comprised mainly of what in ordinary years would be open meadow land, and is locally known as Futt's

APACHE NATIONAL FOREST

STATE OF ARIZONA

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cienega. Approximately 70% of the area is suitable for agricultural purposes, of which about 15 acres has been put under cultivation. The soil is a rich, dark loam of good depth and very fertile. The rainfall is depended upon to grow crops.

Water for domestic use is obtained from a small spring near the East end of the claim.

There is no timber of commercial value on the claim.

I saw no indications of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims. HES. 594 lies about 1/4 mile to the SE, HES. 597 lies about 1/2 mile to the South, HES. 592 lies about 1 mile to the West and HES 505 lies about 1-1/2 miles to the West. Espero, Arizona, postoffice lies about 3 miles distant in a northwesterly direction.

Alpine, Arizona, the nearest settlement and trading point, lies about 19 miles to NE. and is reached by trail.

Springerville, Arizona, the general trading point for this section of the country, lies about 40 miles distant in a northerly direction, and is reached by fair wagon road.

TRAVERSES

Course	Dist.	N.	S.	E.	W.
N.84°02'W.	63.71	6.62			63.36
N.13°04'E.	8.95	8.72		2.02	
N.69°50'E.	39.14	13.49		36.74	
S.40°33'E.	37.91		28.81	24.65	
	149.71	28.83	28.81	63.41	63.36
Error in Lat. & Dep.			02		05

Closing error 1/2780

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TRAVERSE UNLISTED AREA

Course	Dist.	N.	S.	E.	W.
N.13°04'E.	2.87	2.80		.65	
N.69°50'E.	39.14	13.49		36.74	
S.40°33'E.	37.91		28.81	24.65	
N.44°03'W.	36.36	26.13			25.28
S.69°41'W.	39.20		13.61		36.76
	<u>155.48</u>	<u>42.42</u>	<u>42.42</u>	<u>62.04</u>	<u>62.04</u>

Error in Lat. & Dep. 0

Closing Error ~~2/15548~~ 0

TIE COR. 1/595 to COR. 2/594

Course	Dist.	N.	S.	E.	W.
S.39°25'E.	4.25		3.28	2.70	
S.75°05'E.	4.94		1.27	4.77	
S.55°39'E.	9.33		5.26	7.70	
S.58°59'W.	5.68		2.93		4.87
			<u>12.74</u>	<u>15.17</u>	<u>4.87</u>

Resultant Course S.38°57'17" E. 16.38 chs. 10.30

TIE COR. 1/595 to U.S.L.M. 594 H.E.S.

Course	Dist.	N.	S.	E.	W.
N.40°33'W.	37.91	28.81			24.65
S.58°33'W.	6.03		5.15		5.14
S. 3°04'W.	29.36		29.32		1.57
S.39°19'E.	2.65		2.05	1.68	
S.61°55'W.	.58		.27		.51
		<u>28.81</u>	<u>34.79</u>	<u>1.68</u>	<u>31.87</u>
			<u>28.81</u>		<u>1.68</u>
			<u>5.98</u>		<u>30.19</u>

Resultant course S.78°47'45" W. 30.78 chs.

TIE COR. 1/595 to COR. 1/597

Course	Dist.	N.	S.	E.	W.
S.87°47'45"W.	30.78		5.98		30.19
S.47°02'27"W.	38.52		26.25		28.19
			<u>32.23</u>		<u>58.38</u>

Resultant course S.61°05'53" W. 66.69 chs.

Survey completed June 14, 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.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 595, STATE OF ARIZONA

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CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.						
1 - 2	N. 84° 02' W.	63.71	6 ⁶⁰ 62			63 ³⁹ 36		63 39	418 37			
2 - 3	N. 13° 04' E.	8.95	8 72		2 02			2 02	17 61			
3 - 4	N. 69° 50' E.	39.14	13 49		36 74			40 77	549 99			
4 - 1	S. 40° 33' E.	37.91		28 81	24 65			102 14			2942 65	
		149.71	28 83	28 81	63 41	63 36			985 97		2942 65	
Error in Lat. & Dep.				02		05					985 97	
Closing error 1/2780											20/1956 68	
											97 83 acres ET	
TRAVERSE UNLISTED AREA												
	N. 13° 04' E.	2.87	2 80		65			65	1 82			
	N. 69° 50' E.	39.14	13 49		36 74			38 04	513 16			
	S. 40° 33' E.	37.91		28 81	24 65			99 43			2864 58	
	N. 44° 03' W.	36.36	26 13			25 28		98 80	2581 64			
	S. 69° 41' W.	39.20		13 61		36 76		36 76			500 30	
		155.48	42 42	42 42	62 04	62 04			3096 62		3364 88	
Error in Lat. & Dep.											3096 62	
Closing error 1/15548		0									20/ 268 26	
											13 41 ET	

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, Dec. 12, 1922

The foregoing field notes of Homestead Entry Survey No.

595

executed by *Thomas, F. Myers, Surveyor* [Forest Service Title]
under his special instructions, dated *May 14*, 1919, having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

Frank P. Trott
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.