

**HES**

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**9**

**2**

JUL 19 1922

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

ORIGINAL

HOMESTEAD ENTRY SURVEY NO. 592

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 9 , un-surveyed, Township 4 N. , Range 30 E.  
In Section 16 , un-surveyed, Township 4 N. , Range 30 E.

GILA AND SALT RIVER BASE AND Meridian.

State of  
ARIZONA

Applicant for listing Ernest Jackson,  
Residence Espero, Arizona  
Application No. 306 , dated November 8 , 1913  
List No. 3-3234 , dated July, 7, , 1914

Applicant for survey Walter Thorn,  
Residence Espero, Arizona  
H. E. No. 036235 , dated October 11 , 1914  
Land Office Phoenix, Arizona

Survey executed by Thomas F. Myers, Surveyor - Forest Service  
Under special instructions dated May 14 , 19 19  
Survey commenced June 8 , 19 21  
Survey completed June 9 , 19 21  
Under Acts of June 11, 1906, and May 31, 1920.

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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. **592**, 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 Luckie*

Chainman

*Col R Morris*

Chainman

Subscribed and sworn to before me this **9th** 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 Patent, No. **3-5234**, dated **July 7**, 19 **14**, for  
the same to be known as Homestead Entry Survey No. **592**,  
situated within the **APACHE** National Forest, in  
un-surveyed Section **9**, Township **4 N.**, Range **30 E.**, and  
un-surveyed Section **16**, 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 **6th** day of  
**April**, 19 **22**.

*Ethel H. Myers*

Notary Public



S-2349

My Comm. expires April 12, 1925.

APACHE NATIONAL FOREST

STATE OF ARIZONA

1.

Chains

Applicant for listing, Ernest Jackson; Application No. 306, dated November 8, 1913; List No. 3-3234, dated July 7, 1914; H. E. 036235, made in the Phoenix Land Office on October 11, 1917, by Walter Thorn.

The changes made in this survey are in accordance with the desires of the entryman. Copy of a signed statement from him agreeing to the survey, is attached at the end of these notes.

Surveyed under special instructions from the Surveyor General for Arizona, dated May 14, 1919, and designated as Homestead Entry Survey No. 592.

Situated in what will probably be when surveyed, Secs. 9 and 16, 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 8, 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 8, 1921.

At my station near Cor. No. 1 of this survey, in

Chains

Lat.  $33^{\circ}41'48''$  N., Long.  $109^{\circ}14'54''$  W., from Forest Service Base Map, at 7h. 33m. 30s. p.m. l.m.t., I observe Polaris with telescope direct; reading an angle of  $0^{\circ}14'$  from star to right to reference mark, a tack in a stake set firmly in the ground 5 chains northwardly of my station.

Greenwich m.t. U. C. Polaris, June 8, 1921, 8h 27.6m a.m.

Corr. for Long. 1.2

l.m.t. U. C. Polaris, June 8, 1921, 8h 26.4m a.m.

l.m.t. obsn. Polaris, June 8, 1921, 7h 35.5m p.m.

Hour angle 11h 07.1m

Azimuth of Polaris  $0^{\circ}17.6'$  W.

Bearing of reference mark N.  $0^{\circ}03.6'$  W.

At the same station at 7h. 37m. 43s. p.m. l.m.t., I again observe Polaris with telescope reversed, reading an angle of  $0^{\circ}13'$  from star to right to same reference mark.

l.m.t. U. C. Polaris, June 8, 1921, 8h 26.4m a.m.

l.m.t. obsn. Polaris, June 8, 1921, 7h 37.7m p.m.

Hour angle 11h 11.3m

Azimuth of Polaris  $0^{\circ}16.1'$  W.

Bearing of reference mark N.  $0^{\circ}03.1'$  W..

Mean bearing of reference mark is N.  $0^{\circ}03.21'$  W.,

I accept bearing of reference mark as N.  $0^{\circ}03'$  W.,

Chains

and from the corresponding meridian all courses of this survey were deflected by sustained angulation.

June 8, 1921.

BOUNDARIES OF CLAIM

June 9, 1921.

Beginning at Cor. No. 1.

Identical with Cor. No. 2 of HES 505, a lava stone 22x6x10 ins. above ground, marked + on top and 2 HES 505 on W. face, with mound of stone W. of Cor. 1 Chisel same stone 1 HES 592 on S. face and raise a mound of stone 2 ft. base 1-1/2 ft. high S. of Cor., whence:

A pine 16 ins. dia. brs. N. 71°39' E. 184 lks.

A pine 14 ins. dia. brs. N. 29°33' E. 151 lks.

Each blazed and scribed 2' HES 505 + BT.

I add 1 HES 592 in blaze on each tree.

USLM 504 HES., a lava bluff 6x6x8 ft. above ground marked + USLM 504 HES on top with mound of stone 11 ft. base 9 ft. high W. of Monument, bears N. 44°24' W. 60.10 chs. by traverse which appears at the end of these notes.

Lat. 33°41'48" N., Long 109°14'54" W., from Forest Service Base Map.

Mag. decl. at 8 a.m. 13°40' E. Mean Mag. decl. 13°36' E.

Thence S. 47°40' E.

Over rolling rocky SW. slope.

.50 Fence bears NW. and SE.

.90 Cor. fence bears S. 5 lks. Fences bear N. 30°30' W. and S. 65° W. and SE.

9.00 Arroyo 10 lks. wide, 2 ft deep, Course SW.

29.00 Beaver Creek 30 lks. wide, banks 1 ft. high (dry)

Course S. 70° W.

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APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

29.66

To Cor. No. 2.  
Identical with Cor. H/3 of the list survey, which is a malpais stone 6x12x14 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a malpais stone 2x6x8 ins. marked with a + 16 ins in the ground, over which set a malpais stone 26x7x12 ins. chiseled + for the point and 2 HES 592 on W. face; raise a mound of stone 3 ft. base 2 ft. high W. of Cor., whence:

A pine 20 ins. dia. brs. S. 56°22' E. 102 lks.

A pine 18 ins. dia. brs. N. 72°23' E. 70 lks.

Each blazed and scribed 2 HES 592 + BT.

Thence S. 49° 16' W.

Over open rolling land.

1.50 Fence bears N. 50° E. and S. 50° W.

4.20 Arroyo 15 lks. wide 3 ft. deep, Course NW.

5.20 Fence bears S. 38° W. and N. 38° E.

5.30 Arroyo 12 lks. wide 4 ft. deep, course NW.

11.10 Hannigan-Blue River Trail bears NW. and SE. Ascend gradually, 20 ft. over NW. slope.

16.64 To Cor. No. 3.

Deposit a malpais stone 2x4x6 ins. marked with a + 14 ins. in the ground, over which set a malpais stone 24x10x10 ins., chiseled + for the point and 3 HES 592 on NW. face; raise a mound of stone 3 ft. base 2 ft. high NW. of Cor., whence:

A pine 19 ins. dia. brs. S. 29°50' W. 102 lks.

A pine 14 ins. dia. brs. S. 21°29' E. 99 lks.

Each blazed and scribed 3 HES 592 + BT.

## APACHE NATIONAL FOREST

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Chains	Thence S. 50°21' W.
	. Descend 20 ft. over NW. slope.
23.30	Hannigan Creek, running water 2 lks. wide 1 in. deep, Course N. 15° E.
27.22	Fence, bears N. 60° W. and S. 60° E.
27.25	To Cor. No. 4.
	Deposit a malpais stone 4x5x6 ins., marked with a + 16 ins. in the ground, over which set a malpais stone 27x8x17 ins., chiseled + for the point and 4 HES 592 on N. face; raise a mound of stone 3 ft. base 2 ft. high N. of Cor., whence;
	A pine 15 ins. dia. brs. S. 27°28' W. 52 lks.
	A pine 32 ins. dia. brs. S. 24°14' E. 76 lks.
	Each blazed and scribed 4 HES 592 + BT.
	Cor. H/2 of the list survey, a malpais stone 14x4x10 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 48°00' E. 7.10 chs. dist. I destroy all trace of this list Cor.
	Thence N. 25°30' W.
	Over open gently rolling land.
.10	Fence bears N. 60° W. and S. 60° E.
1.60	Fence bears N. 50° E. and S. 50° W.
28.20	Fence bears NE. and SW.
28.26	To Cor. No. 5, on line 2-3 of HES 505.
	Deposit a malpais stone 4x6x6 ins., marked with a + 14 ins. in the ground, over which set a malpais stone 24x18x18 ins., chiseled + for the point and 5 HES 592 on E. face; raise a mound of stone 3 ft. base 2 ft. high E. of Cor.
	No witnesses available, pits impracticable.
	Cor. No. 3 of HES 505, (also point for Cor. H/1 of list survey) which is a lava stone 10x10x10



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Chains

ins. above ground, marked + on top and 3 HES 505 on N. face, bears S. 46°21' W. 11.69 chs. dist. by direct measurement. Cor. H/1 of List survey, a lava stone 6x4x10 ins., marked and witnessed as described by the Forest Service, was setting alongside of Cor. No.3 HES. 505. I destroy all evidence of list Cor.

Thence N. 46°21' E.

Over open rolling land. Fence inside of line.

- 9.20 Arroyo 10 lks. wide 2 ft. deep., course N. 60° E.
- 25.35 Left bank Beaver Creek 2 ft. high.
- 27.50 Beaver Creek running water 5 lks. wide, 2 ins deep, Course NW.
- 28.90 Right bank Beaver Creek 3 ft. high.
- 31.80 Hannigan-Blue River Trail, bears NW and SE.
- 32.87 To Cor. No. 1 and place of beginning.

AREA

Total Area - - - - - 109.08 A.

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 16x30 ft., the long sides extending NE. and SW., the S. cor. of which bears N. 36°17' E. 3.70 chs. from Cor. No. 4.

Value - - - - - \$250.00

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

Value - - - - - \$200.00

Chains

DESCRIPTION

The claim lies at the junction of Hannigan and Beaver Creeks and is comprised mainly of bottom land along the creeks. About 80% of the area is suitable for agricultural purposes. The soil is a dark loam of good depth and very fertile. The rainfall is depended upon to grow crops. Water for domestic use is obtained from Hannigan Creek which traverses the SE. portion of the claim.

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. The claim is adjoined on the NW. by HES 505. HES No. 597, surveyed by me on June 12 13, 1921, lies about 3/4 mile to SE. HES 595, surveyed by me on June 14, 1921, lies about 1 mile to East. HES 593, surveyed by me on June <sup>6</sup> 7, 1921, lies about 1-1/2 miles to NW.

Espero, Arizona, postoffice, lies about 2 miles to NW. Alpine, Arizona, the nearest settlement and trading point, lies about 17 miles to NE. and is reached by trail.

Springerville, Arizona, the general trading point for this section of the country, lies about 38 miles dist. in a northerly direction and is reached by fair wagon road.

TRAVERSES

Course	Dist.	N.	S.	E.	W.
S.47°40'E.	29.66		19.97	21.93	
S.49°16'W.	16.64		10.86		12.61
S.50°21'W.	27.25		17.39		20.98
N.25°30'W.	28.26	25.51			12.17
N.46°21'E.	32.87	22.69		23.78	
	134.68	48.20	48.22	45.71	45.76
Error in Lat. & Dep.		02		05	

Closing Error 1/2501

APACHE NATIONAL FOREST

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Chains TIE COR. NO. 1 HES 592 to USLM 504 HES.

Course	Dist.	N.	S.	E.	W.
S. 84° 01' W.	6.33		.66		6.30
N. 36° 58' W.	25.00	19.97			15.03
N. 57° 15' W.	19.64	10.62			16.52
N. 25° 05' W.	7.70	6.97			3.26
N. 8° 49' W.	6.11	6.04			.94
		43.60	.66		42.05
		.66			
		42.94			

Resultant Course N. 44° 24' W. 60.10 chs.

Survey completed June 9, 1921.

*Thomas J. Myers*

Surveyor - Forest Service.

(C O P Y)

4993

June 3, 1922.

I, Walter Thorn, hereby agree to the survey of my homestead, No. 592, as completed on the Ninth day of June, 1921, by Forest Service Surveyor Thomas F. Myers; and further agree that when notified that the survey has been approved and before attempting to make final proof on my entry, I will apply for amendment of the same to conform with said survey.

The changes made by the surveyor are: Area cut on West to make 109 acres.

(Sgd.) Walter Thorn,  
Claimant.

(Sgd.) W. C. Martin,  
Witness.

- 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. 592, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1 - 2	S. 47°40' E.	29.66		19 97 <sup>6</sup>	21 93 <sup>4</sup>		69 54		1388 02
2 - 3	S. 49°16' W.	16.64		10 86		12 61	78 87		856 53
3 - 4	S. 50°21' W.	27.25		17 39		20 98 <sup>7</sup>	45 29		787 59
4 - 5	N. 25°30' W.	28.26	25 51			12 17 <sup>16</sup>	12 16	310 20	
5 - 1	N. 46°21' E.	32.87	22 69 <sup>70</sup>		23 78 <sup>80</sup>		23 80	540 26	
		134.68	48 20	48 22	45 71	45 76		850 46	3032 14
Error in Lat. & Dep.			02		05				850 46
Closing Error 1/2501									20/2181 68
									109 08
	N. 2° 10' W	4.68	4 68			18			
	S. 44° 24' E	60.10		42 94	42 05				
	N. 47° 28' W	56.78	38 38			41 84			
		121.56	43 06			42 02			
	Limit	38							

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, July 20, 1922


The foregoing field notes of Homestead Entry Survey No.

592

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.



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.