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JUN 19 1922

Sept. 16-22
NOV. 25 1922

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

ORIGINAL

FIELD NOTES

MAY 1 1922

HOMESTEAD ENTRY SURVEY NO. 573

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

- In Section 6 , un surveyed, Township 4 N , Range 30 E.
- In Section 7 , un surveyed, Township 4 N, Range 30 E.
- In Section 1 , un surveyed, Township 4 N, Range 29 E.
- In Section 12 , un surveyed, Township 4 N, Range 29 E.

of the ...

GILA AND SALT RIVER BASE AND Meridian.

State of
ARIZONA.

Applicant for listing W. T. Johnson
 Residence Espero, Arizona
 Application No. 38 , dated September 5 , 19 07
 List No. 748 , dated November 27 , 19 07

Applicant for survey Wells Hamblin
 Residence Espero, Arizona
 H. E. No. 023768 , dated November 17 , 19 13
 Land Office Phoenix, Arizona

Survey executed by Thomas F. Myers, surveyor - Forest Service.
 [Forest Service Title.]
 Under special instructions dated April 24 , 19 18
 Survey commenced June 2, , 19 21
 Survey completed June 3, , 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. 573, 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 Laekie Chainman

Colar Morris Chainman

Subscribed and sworn to before me this Third 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
April 24, 1918, 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. 748, dated November 27, 1907, for
the same to be known as Homestead Entry Survey No. 573
situated within the APACHE National Forest, in
unsurveyed Section 6, Township 4 N, Range 30 E., and
unsurveyed Section 7, Township 4 N, Range 30 E.,
unsurveyed Section 1, Township 4 N, Range 29 E.,
unsurveyed Section 12, Township 4 N, Range 29 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 8th day of

May, 19 22.

Ethel G. Myers

Notary Public.



8-2349

My commission expires April 12, 1925.

HOMESTEAD ENTRY SURVEY NO. 573

APACHE NATIONAL FOREST

1.

STATE OF ARIZONA

Chains

Applicant for listing, W. T. Johnson; Application No. 38, dated September 5, 1907; List No. 748, dated November 27, 1907; H. E. 023768, made in the Phoenix Land Office on November 17, 1913, by Wells Hamblin.

Surveyed under special instructions from the Surveyor General for Arizona, dated April 24, 1918, and designated as Homestead Entry Survey No. 573.

Situated in what will probably be when surveyed Secs. 6 and 7, T. 4 N., R. 30 E., and Secs. 1 and 12, T. 4 N., R. 29 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 2, 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 2, 1921.

At my station near Cor. No. 5 of this survey in Lat. $33^{\circ}42'48''$ N., Long. $109^{\circ}17'48''$ W., from Forest Service Base Map, I observe Polaris with telescope direct at 8h. 37m. 36s. p.m., l.m.t., reading an angle of $0^{\circ}04'30''$ from star to left to a reference mark about 1/2 mile distant.

Chains	Greenwich m.t. U. C. Polaris, June 2, 1921,	8h 51.0m a.m.
	Corr. for Long.	<u>1.2</u>
	l.m.t. U. C. Polaris, June 2, 1921,	8h 49.8m a.m.
	l.m.t. obsn. Polaris June 2, 1921,	<u>8h 37.6m p.m.</u>
	Hour angle	11h 47.8m
	Azimuth of Polaris 0°03'36" W.	
	Bearing of reference mark N. 0°08'06" W.	
	At the same station at 8h 39m 53s p.m. l.m.t., I again observe Polaris with telescope reversed, reading an angle of 0°05' from star to left to same reference mark.	
	l.m.t. U. C. Polaris, June 2, 1921,	8h 49.8m a.m.
	l.m.t. obsn. Polaris, June 2, 1921,	<u>8h 39.9m p.m.</u>
	Hour angle	11h 50.1m
	Azimuth of Polaris 0°02'48" W.	
	Bearing of reference mark N. 0°07'48" W.	
	Mean bearing of reference mark is N. 0°07'57" W. I accept bearing of reference mark as N. 0°08' W. and from the corresponding meridian all the courses of this survey were deflected by sustained angulation.	
	June 2, 1921.	

BOUNDARIES OF CLAIM

June 3, 1921.

Beginning at Cor. No. 1.

Deposit a malpais stone 8x6x6 ins., marked with a + 15 ins. in the ground; over which set a malpais stone 25x17x7 ins., chiseled + for the point and 1 HES. 573 on SW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high SW. of Cor., whence:

A pine 18 ins. dia. brs. N. 40°15' E. 138 lks.

A pine 20 ins. dia. brs. S. 88°45' E. 103 lks.

Each blazed and scribed 1 HES 573 + BT.

U.S.L.M. No. 504 HES. (established by R.P.A.)

Chains

Johnson on September 11, 1916, in connection with the survey of HES. 504), which is a + USLM 504 HES chiseled on top of a lava bluff 6x6x8 ft. above ground, with mound of stone 11 ft. base 9 ft., high W. of monument bears S. 77°06'40" E. 137.59 chs. distant by traverse which appears at the end of these Notes.

Cor. No. 2. of HES. No. 504, a lava stone .16x8x10 ins. above ground, chiseled + on top and 2 HES 504 on E. face bears N. 2°47'58" E. 22.75 chs. distant by traverse which appears at the end of these notes.

Cor. No. 5 of HES No. 593 (surveyed by me on June 6 and 7, 1921), a malpais stone 14x12x10 ins. above ground, marked + on top and 5 HES 593 on SE face, bears S. 39°09'19" E. 33.95 chs. dist. by traverse which appears at the end of these notes.

Cor. H/4 of the list survey, which is a malpais stone .25x20x12 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 45°48' E. 10.66 chs. distant. I destroy all trace of this list Cor.

Latitude 33°42'40" N., Long. 109°17'12" W. from Forest Service Base Map.

Mag. decl. at 9 a.m. is 14°45' E. Mean Mag. decl. 14°42' E.

Thence S. 34°56' W.

Over open land.

.70. Willow Creek, running water, 2 lks. wide 1 in. deep, Course N. 40° W.

30.00 Enter scattering pine timber, bears NW. and SE.

32.29 To Cor. No. 2.

Chains Deposit a malpais stone 6x6x6 ins., marked with a + 16 ins. in the ground, over which set a malpais stone 26x10x6 ins., chiseled + for the point and 2 HES 573 on NW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high NW. of Cor., whence:

A pine 20 ins. dia. brs. S. 30°10' E. 16 lks.
A pine 16 ins. dia. brs. N. 44°40' E. 90 lks.
Each blazed and scribed 2 HES 573 + BT.

Cor. H/5 of the list survey, which is a malpais stone 12x8x10 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 64°30' E. 148 lks. distant. I destroy all trace of this list Cor.

Note: A portion of this claim along the SE. boundary was eliminated in order that the area of the claim would not exceed the 160 acre limit.

Thence N. 64°34' W.

Over rolling land through scattering pine.

9.40 Enter open bottom land.

17.60 Arroyo, 15 lks. wide, 4 ft. deep, course N.

24.50 Arroyo, 15 lks. wide, 3 ft. deep, course N. 10° E.

26.59 To Cor. No. 3.

Identical with Cor. H/1 of the list survey, which is a malpais stone 16x16x14 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a malpais 3x5x6 ins., marked with a + 16 ins. in the ground, over which set a malpais stone 26x20x12 ins. chiseled + for the point and 3 HES 573 on NE. face; raise a mound of stone 2 ft. base 1-1/2 ft. high NE. of Cor., whence:

A pine 20 ins. dia. brs. N. 31°25' W. 38 lks.

APACHE NATIONAL FOREST

STATE OF ARIZONA

5.

Chains

A pine 30 ins. dia. brs. S. 41°45' W. 48 lks.

Each blazed and scribed 3 HES. 573 + BT.

Thence N. 0°18' W.

Along edge of pine, over gently rolling land.

13.80 Top of low spur, bears NE.

20.80 Corral gate bears NE. and SW.

21.26 Fence, bears N. 4°E. and S. 4°W.

39.92 To Cor. No. 4, also Cor. No. 2 of HES. 616.

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. I destroy all trace of this list Cor.

Deposit a malpais stone 6x6x4 ins., marked with a + 18 ins. in the ground, over which set a malpais stone 28x18x12 ins., chiseled + for the point and 4 HES 573 on SE. face; and 2 HES 616 on N. face; raise a mound of stone 2 ft. base 1-1/2 ft. high SE. and N. of Cor., whence:

A pine 16 ins. dia. brs. N. 60°50' W. 220 lks.

A pine 24 ins. dia. brs. S. 70°20' W. 141 lks.

Each blazed and scribed 4 HES 573 and 2 HES 616 + BT.

Note: The above Cor. was marked and witnessed for Cor. No. 2 HES 616 on June 4, 1921, in connection with the survey thereof.

Thence N. 72°51' E.

Over open land. Fence inside of line.

8.75 Willow Creek, 5 lks. wide, 1 in. deep, course NW.

16.90 To Cor. No. 5, also Cor. No. 1 of HES. 616.

Deposit a malpais stone 6x6x5 ins., marked with a + 18 ins. in the ground, over which set a malpais stone 28x16x8 ins., chiseled + for the point, 5 HES 573 on

Chains

SW. face; and 1 HES 616 on NW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high SW. and NW. of Cor.

No witnesses available, pits impracticable.

Cor. H/3 of the list survey, which is a malpais

stone 14x12x12 ins. above ground, marked and

witnessed as described by the Forest Service,

bears N. 73°30' E. 135 lks. distant. I destroy

all trace of this list Cor.

U.S.L.M. 616 HES. (established by me on June 4,

1921,) an embedded malpais boulder showing

35x26x16 ins. above ground, chiseled + for the

point and USLM 616 HES on W. face, with mound

of stone 6 ft. base 5 ft. high NW. of monument,

bears N. 36°19' W. 21.79 chs. distant by direct

measurement.

Note: The tie from U.S.L.M. 504 HES. to the Cor. of

Secs. 24 and 25 on the E. boundary of T. 4 N., R. 28

E., as recorded in the field notes of HES. 504, was

found to be slightly in error, by reason of the ties

made by me in connection with the establishment of

U.S.L.M. 616 HES., which ties in connection with

claim lines of subsequent surveys made by me in this

vicinity, afford a closed traverse. See notes HES 616

Thence S. 41°35' E.

Over grassy land.

.10 Cor. fence, fences bear S. 42°E and S. 65°W.

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

AREA

Total Area - - - - - 158.04 A.

Chains

IMPROVEMENTS.

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

A log dwelling, 18x15 ft., the long sides extending N. and S., the NW. Cor. of which bears S, 3°41' E. 25.02 chs. distant from Cor. No. 4.

Value - - - - - \$200.00

About 2 miles of fencing.

Value - - - - - \$200.00

DESCRIPTION

The claim is comprised mainly of bottom land on Willow Creek, a tributary of Beaver Creek. The land ranges from level to gently rolling. The soil is a rich, black loam and very fertile. Approximately 100 acres of the area are suitable for agricultural purposes, of which about 80 acres show signs of having been under cultivation. The rainfall is depended upon to grow crops. Water for domestic use may be obtained from Willow Creek or from a small spring branch east of the house. There was no one on the claim at the time of survey and the house showed no signs of recent habitation. 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. HES. 616 joins this survey on the N., line 1 to 2 thereof being identical with line 4 to 5 of this survey. HES. 593 lies about 1/2 mile distant to the SE. HES. 483 lies about 3/4 mile to NW. HES. Nos. 480 and 482 lie about 1-1/4 miles northwesterly. HES. No. 596 lies about 1-3/4 miles north-

APACHE NATIONAL FOREST

8.

STATE OF ARIZONA

Chains westerly. HES. 603 lies about 2-1/4 miles northwesterly, and HES. 505 lies about 2 miles southeasterly. HES. 504 lies about 1/4 mile to the northeast. Espero, Arizona, the nearest postoffice, is about 1/2 mile distant to the SE.

Alpine, Arizona, the nearest settlement and trading point, lies about 15 miles distant in a northeasterly direction and is reached by trail.

Springerville, Arizona, the general trading point for this section of the country, lies about 36 miles distant in a northerly direction and is reached by fair wagon road.

TRAVERSES

Course	Dist.	N.	S.	E.	W.
S. 34° 56' W.	52.29		26.47		18.49
N. 64° 34' W.	26.59	11.42			24.01
N. 0° 18' W.	39.92	39.92			.21
N. 72° 51' E.	16.90	4.98		16.15	
S. 41° 35' E.	39.97		29.90	26.55	
	155.67	56.32	56.37	42.68	42.71
Closing error 1/2670		05		03	

Tie Cor. 1/573 to U.S.L.M. 504 HES.

Course	Dist.	N.	S.	E.	W.
S. 26° 09' E.	24.29		21.80	10.71	
S. 50° 27' E.	7.05		4.49	5.44	
S. 89° 35' E.	5.29		.04	5.29	
S. 84° 54' E.	28.30		2.52	28.19	
S. 79° 59' E.	31.80		5.53	31.32	
S. 18° 50' E.	30.72		29.08	9.92	
N. 76° 37' E.	14.57	3.37		14.17	
S. 62° 41' E.	3.63		1.67	3.23	
N. 67° 48' E.	12.58	4.75		11.65	
N. 3° 12' W.	7.30	7.29			.41
N. 14° 40' W.	7.39	7.15			1.87
N. 24° 43' E.	3.04	2.76		1.27	
N. 79° 13' E.	16.44	3.08		16.15	
N. 8° 49' W.	6.11	6.04			.94
		34.44	65.13	137.54	3.22
			34.44	3.22	
			30.69	134.12	

Resultant Course S. 77° 06' 40" E. 137.59

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Chains

Tie Cor. 1/573 to Cor. 5/593

Course	Dist.	N.	S.	E.	W.
S. 26°09'E.	24.29		21.80	10.71	
S. 50°27'E.	7.05		4.49	5.44	
S. 89°35'E.	5.29		.04	5.29	
			26.33	21.44	

Resultant course S. 39°09'19" E. 33.95

Tie Cor. 1/573 to Cor. 2/HES 504.

Course	Dist.	N.	S.	E.	W.
N. 52°44'E.	9.03	5.47		7.19	
N. 18°47'W.	3.49	3.30			1.12
N. 15°45'E.	13.88	13.36		3.77	
N. 86°14'W:	8.75	.57			8.73
		22.70		10.96	9.85

Resultant course N. 2°47'58" E. 22.73

Survey completed June 3, 1921.

Thomas D. Myers

Surveyor, Forest Service.

Note: The tie from Cor. No. 1 of HES. 504 to U. S. L. M. 504 HES. as recorded in field notes of HES. 504 was found to be in error, as shown by the traverse attached at the end of these notes, which tie in connection with claim lines of subsequent surveys affords a closed traverse.

Thomas D. Myers
Surveyor - Forest Service.

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HOMESTEAD ENTRY SURVEY NO. 100

GEORGE J. JACOBY NATIONAL FOREST

STATE OF WASHINGTON

Chains

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. 573, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1 - 2	S. 34° 56' W.	32.29		26 47 ⁴⁶		18 49 ⁴⁸	66 90		1770 17
2 - 3	N. 64° 34' W.	26.59	11 42 ²³			24 01	24 41	279 01	
3 - 4	N. 0° 18' W.	39.92	39 92 ⁹³				20	7 99	
4 - 5	N. 72° 51' E.	16.90	4 98		16 15		16 15	80 43	
5 - 1	S. 41° 35' E.	39.97		29 90 ⁸⁸	26 53 ⁴		58 84		1758 14
		155.67	56 32	56 37	42 68	42 71		367 43	3528 31
			05		03				367 43
									20/3160 88
	Closing error 1/2670								158 04
<p>Ties 573 to 504 to D.S.L.M. 504 (This traverse was cancelled on page 11 of Dup. Transcript)</p> <p>1-573 to D.S.L.M. 377° 06' 40" E 137.59 30 69 134 12</p> <p>D.S.L.M. - Cor. 1 504 N 73° 09' 43" W 105.53 30 57 101 01 (see traverse next page)</p> <p>1-504 N 54° 43" W 39.36 32 74 32 13</p> <p>2-504 to 1-573 S 2° 47' 58" W 22.73 22 70 11</p> <p>53 31 53 39 134 12 134 75</p>									

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- 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. 504, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
TRAVERSE U. S. L. N. 504 TO CORNER 1, 504.									
	S. 8°46' E.	6.11'		6 04'	93'				
	N. 60°28' W.	10.24'	5 05'			8 91'			
	N. 20°29' W.	12.97'	12 15'			4 54'			
	N. 80°59' W.	24.55'	3 85'			24 25'			
	N. 77°52' W.	20.60'	4 33'			20 14'			
	N. 40°25' W.	17.10'	13 02'			11 09'			
	N. 57°52' W.	19.82'	10 54'			16 78'			
	S. 72°07' W.	18.68'		5 74'		17 78'			
	S. 13°15' E.	6.77'		6 59'	1 55'				
			48 94'	18 37'	2 48'	103 49'			
			18 37'			2 48'			
			30 57'			101 01'			
	N. 73°09'43" W.	105.53'							

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, Dec. 12, 1912

The foregoing field notes of Homestead Entry Survey No.

573

executed by *Thomas F. Myers, Surveyor* [Forest Service Title.]
under his special instructions, dated *April 24*, 1918, 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.