U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

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. 58, dated September 5, 1907
List No. 748, dated November 27, 1907

Applicant for survey Wells Enambliz
Residence Espero, Arizona
H. E. No. 025768, dated November 17, 1913

Land Office Phoenix, Arizona

Survey executed by Thomas E. Myers, surveyor - Forest Service

Under special instructions dated April 24, 1918
Survey commenced June 2, 1921
Survey completed June 3, 1921

OATH OF ASSISTANTS

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

Chairman

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, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for ARIZONA, dated April 24, 1916, 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. 746, 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., and

unsurveyed Section 1, Township 4 N, Range 29 E., and

unsurveyed Section 12, Township 4 N, Range 29 E., and

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.

Subscribed and sworn to before me this 8th day of May 19 22.

Ethel F. Myers, Notary Public.

My commission expires April 12, 1925.
Applicant for listing, W. T. Johnson; Application No. 28, dated September 5, 1907; List No. 742, dated November 27, 1907; H. E. C.23768, made in the Phoenix Land Office on November 17, 1918, 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.


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°48'46" N., Long. 109°17'48" W., from Forest Service Base Map, I observe Polaris with telescope direct at 8h. 37m. 36s. p.m., 1.m.t., reading an angle of 0°04'30" from star to left to a reference mark about 1/2 mile distant.
Greenwich m.t. U. C. Polaris, June 2, 1921, 8h 51.0m a.m.  
Corr. for Long. 1.2
1.m.t. U. C. Polaris, June 2, 1921, 8h 49.8m a.m.
1.m.t. obsn. Polaris June 2, 1921, 8h 57.6m p.m.
Hour angle 11h 47.2m
Azimuth of Polaris 0°03'35" W.
Bearing of reference mark N. 0°08'06" W.
At the same station at 8h 39m 53s p.m. I again observe Polaris with telescope reversed, reading an angle of 0°05' from star to left to same reference mark.
1.m.t. U. C. Polaris, June 2, 1921, 8h 49.6m a.m.
1.m.t. obsn. Polaris, June 2, 1921, 8h 59.9m p.m.
Hour angle 11h 50.1m
Azimuth of Polaris 0°02'46" 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 2, 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 qf stone 2 ft. base 1-1/2 ft. high SW. of Cor., whence:
A pine 18 ins. dia. brs. N. 40°15' E. 126 lks.
A pine 20 ins. dia. brs. S. 58°15' 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 + USNM 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°17'56" 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°03'19" E. 25.96 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. 54°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 SW.

32.29

To Cor. No. 2.
Deposit a malpais stone 6x6x6 ins., marked with a + 16 ins. in the ground, over which set a malpais stone 26x12x6 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. bres. 'S. 30°10' E. 16 lks.
A pine 16 ins. dia. bres. N. 44°40' E. 90 lks.
Each blazed and scribed 2 HES 573 + BT.
Cor. E/5 of the list survey, which is a malpais stone, 12x6x10 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 6x6x6 ins., marked with a + 16 ins. in the ground, over which set a malpais stone 26x20x12 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. bres. N. 31°25' W. 38 lks.
Chains

A pine 30 ins. dia., bras. E. 41°45' W., 46 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.
21.36 Fence, bears N. 4°E. and S. 4°W.
29.92 To Cor. No. 4, also Cor. No. 2 of HES, 616.

Identical with Cor. E-2 of the list survey, which is a malpais stone 14 x 12 x 10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.
Deposit a malpais stone 6 x 6 x 4 ins., marked with a + 18 ins. in the ground, over which set a malpais stone 28 x 18 x 12 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. bras. N. 60°50' W. 230 lks.
A pine 24 ins. dia. bras. 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 6 x 6 x 5 ins., marked with a + 18 ins. in the ground, over which set a malpais stone 28 x 16 x 8 ins., chiseled + for the point, 5 HES 573 on
Chains

S.W. face; and 1 HES 616 on N.W. face; raise a mound of stone 2 ft. base 1.5 ft. high S.W. and N.W. 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 lbs. distant. I destroy all trace of this list Cor.

U.S.I.M. 616 HES. (established by me on June 4, 1921.) an embedded malpais boulder showing 26x26x16 ins. above ground, chiseled + for the point and USI.M. 616 HES on N. face, with mound of stone 6 ft. base 5 ft. high N.W. of monument, bears E. 36°19' W. 21.79 obs. distant by direct measurement.

Note: The tie from U.S.I.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.I.M. 616 HES., which ties in connection with claim lines of subsequent surveys made by me in this vicinity, afford a closed traverse. See note H.E. 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.
The improvements made upon and for the benefit of this claim and belonging to the claimant herein, consist of the following:

A log dwelling, 16x15 ft., the long sides extending N. and S., the NW. Cor. of which bears S. 2°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. 485 lies about 2/4 mile to NW. HES. Nos. 480 and 462 lie about 1-1/4 miles north-westerly. HES. No. 596 lies about 1-3/4 miles north-
westerly. HES. 602 lies about 2 1/4 miles northwester-
ly, and HES. 505 lies about 2 miles southeastern.
HES. 504 lies about 1 1/2 miles to the northeast.
Espinosa, 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 northeastern
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.

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

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Resultant Course S. 77°06'40" E. 137°59'
| 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.59°27'E. | 7.05' | 4.49' | 5.44' |
| S.69°25'E. | 5.23' | 2.04' | 5.22' |
|  |  | 26.33' | 21.44' |
| Resultant course S. 39°09'19" E. 22.95  
| **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.16°47'W. | 2.49' | 3.59' | 1.12' |
| N.16°45'W. | 12.26' | 12.26' | 5.77' |
| N.66°14'W. | 8.75' | 1.57' | 8.73' |
|  |  | 22.70' | 10.36' | 9.88' |
| Resultant course N. 2°47'55" E. 22.72  
| Survey completed June 3, 1921. |  

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.
<table>
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<th>CORNERS</th>
<th>BEARING</th>
<th>DISTANCE</th>
<th>LATITUDES</th>
<th>DEPARTURES</th>
<th>DOUBLE M. D.</th>
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Surveyors are required to use the Standard Field Tables issued by the G. L. O.
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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, December 1922

The foregoing field notes of Homestead Entry Survey No. 573

executed by Thomas F. Myers, Surveyor

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.