U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 576

SITUATED IN THE TOWNSHIP NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 61, unsurveyed, Township 11 N., Range 10 E.

of the

GILA AND SALT RIVER BASE & Meridian.

State of

ARIZONA

Applicant for listing

Geo. C. Baecht,

Residence

Payson, Arizona.

Application No. 606, dated

November 29, 1915

List No. 3-3823, dated

October 23, 1916

Applicant for survey

Geo. C. Baecht,

Residence

Payson, Arizona.

H. W. No. 033678, dated

July 24, 1917

Land Office

Phoenix, Arizona.

Survey executed by

Frank D. Yost, Surveyor, Forest Service,

Under special instructions dated

May 23, 1918

Survey commenced

April 26, 1919

Survey completed

April 27, 1919

Under Acts of

June 11, 1906, and October 1, 1918.
OATH OF ASSISTANTS

We hereby certify that we assisted

Frank D. Yost, Surveyor - Forest Service,

in surveying all those parts or portions of Homestead Entry Survey No. 576, 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.

H.L. Brandon
Chairman

H. H. Longfellow
Chairman

Subscribed and sworn to before me this sixth day of August, 1919.

Frank D. Yost, Surveyor - Forest Service.

OATH OF SURVEYOR

I, Frank D. Yost, Surveyor - Forest Service,

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for ARIZONA, dated May 25, 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 No. 3-3823, dated October 25, 1916, for Patent

under the Act of June 11, 1906, situated within the

National Forest, in the same to be known as Homestead Entry Survey No. 576

surveyed Section 31, Township 11 N., Range 10 E., and

surveyed Section --, Township --, Range --

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 survey.

Subscribed and sworn to before me this fifth day of

November, 1919.

Eveline S. Myers
Notary Public.

My commission expires March 17, 1921.
Chains

Surveyed under special instructions from the Surveyor General for Arizona, dated May 23, 1918, and designated as Homestead Entry Survey No. 576.
Situated in what will probably be when surveyed Sec. 31, T. 11 N., R. 10 E., Gila and Salt River Base and Meridian, Tonto National Forest, Arizona.
Surveyed under the Acts of June 11, 1906 and October 1, 1918.

Survey commenced April 26, 1919, 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 26, 1919.

At the cor. to Secs. 5, 6, 31 and 32, Ts. 10 and 11 N., R. 10 E., hereinafter described, I observe the altitude of the sun for azimuth. The reading of the reference object is set at zero and the sun was observed in all four quadrants of the field. My watch is set for local mean time.
Lat. 34° 14' 47" N., Long. 111° 21' 35" W., from Special Instructions from the Surveyor General and later verified.
CHAINS

Approximate elevation 6100 ft.

Telescope Pos. L.m.t. Horizontal Vertical
sun a.m. Angle Angle
Direct 4° 7h 49m 16s. 25° 02' 30" 30° 48' 30"
Reversed 7h 51m 06s. 35° 23' 00" 30° 42' 30"
Direct 7h 49m 45s. 35° 42' 00" 30° 55' 30"
Reversed 7h 50m 30s. 34° 55' 30" 30° 35' 00"

Bearing of Reference mark is S. 50° 02' 44" E.

April 27, 1919.

At the same station I again observe the altitude of the sun for azimuth. The reading on the reference object is set at zero and the sun was observed in the upper right and lower left quadrants of the field.

Telescope Pos. L.m.t. Horizontal Vertical
sun a.m. Angle Angle
Direct 6° 8h 37m 16s. 27° 42' 00" 40° 44' 00"
Reversed 8h 33m 06s. 27° 31' 30" 41° 12' 30"

Bearing of reference mark is S. 50° 04' 31" E.

The two obs. give a mean bearing of reference mark as S. 50° 03' 38" E. I accept bearing of reference mark as S. 50° 04' E. and to the corresponding meridian all the courses of this survey are referred by sustained angulation.

April 27, 1919.

RETRACEMENT

April 26, 1919.

Beginning at the cor. to Secs. 5, 6, 31 and 32, Ts. 10 and 11 N., R. 10 E., a sandstone 12 x 8 x 5 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.

Thence West,

Retracing line bet. Secs. 6 and 31, E/2
Intersect 1/4 cor. bet. secs. 6 and 31, which is a +
chiseled on top of a stone in place showing 16 x 10 x 3
ft. above ground, marked and witnessed as described by
the Surveyor General.

Thence East,

on a true line, bet. Secs. 6 and 31, 3/2

Set temp. point for cor. No. 2 of this survey.

To Cor. Secs. 5, 6, 31 and 32, heretofore described.

April 26, 1919.

Beginning at Cor. No. 1,

Identical with cor. to Secs. 5, 6, 31 and 32, Ts. 10
and 11 W., R. 10 E., heretofore described, I chisel
same stone + on top for Cor. No. 1 of this survey, and
alongside to NW. set a sandstone 18 x 14 x 3 ins. 10 ins.
in the ground, marked 1 H E S 576 on NW. face; raise
a mound of stone 3 ft. base, 2 ft. high, N. of cor.,

whence:

A cedar 12 ins. dia., brs. S.57°30' E., 542 lks. dist.

A cedar 12 ins. dia., brs. S.30°45' W., 403 lks. dist.

Each blade and scribed I H E S 576 + B T

Cor. wire fence, from which fences extend N. and
W., bears N. 5° 00' W., 5 lks. dist.

Cor. H-1 of the list survey, which is a sandstone
6 x 6 x 4 ins. above ground, marked and witness-
ed as described by the Forest Service, bears
North, 1 lks. dist. I destroy all trace of this
list cor.

Lat. 34° 14' 47" N.; Long. 111° 21' 30" W., from
special instructions from the Surveyor General and
later verified.

Mag. decl. at 8 a.m. is 14° 30' E., Mean magnetic
decl. , 14° 27' E.

Thence West,
Along line bet. secs. 6 and 31, Ts. 10 and 11 N., R. 10 E. Ascend 20 ft. over NE. slope, thru scattering cedar. Wire fence along line inside claim.

To Cor. No. 2, and Closing Cor. on line bet. secs. 6 and 31.
Deposit a sandstone 3 x 3 x 1 ins. marked with a + 14 ins. in the ground, over which set a sandstone 24 x 7 x 6 ins. chiseled + for the point, 2 H E S 576 on NE. face; and C C on N. face; raise a mound of stone 3 ft. base, 2 ft. high N. of cor., whence:

A cedar 20 ins. dist., brs. S. 9° 05' W., 660 lks. dist., blazed and scribed.
C C 2 H E S 576 + B T
A + on an embedded red sandstone showing 6 x 4 x 1 ft. above ground, chiseled
C C 2 H E S 576 + B R on top, bears S. 70° 08' E., 119 lks. dist.

Cor. to Secs. 5, 6, 31 and 32, herefore described, bears East, 15.06 chs. dist.
1/4 cor. bet. Secs. 6 and 31, herefore described bears West, 25.08 chs. dist.
Cor. H-6 of the list survey, which is a sandstone 8 x 2 x 6 ins. above ground, marked and witnessed as described by the Forest Service, bears N. 11° 00' W., 5 lks. dist.
I destroy all trace of this list cor.
Fence cor. bears N. 80° W., 11 lks.; fences bear East and North.

Thence North,
Along NE. slope, thru scattering cedar and pinon, wire fence along line outside claim.

Wire fence, bears E. and W.
Chains
15.00
To Cor. No. 3,
Deposit a sandstone 4 x 3 x 3 ins. marked with a + 24 ins. in the ground, over which set an iron post 2 ins. dia., 36 ins. long, with brass cap marked 1919 on S. rim and 5 H E S 576 in portion of circle facing claim; raise a mound of stone 3 ft. base, 2 ft. high NE. of cor., whence:
A pinon 8 ins. dia., brs. S, 14° 56' E.,
108 lks. dist.
A juniper 24 ins. dia., brs. N, 86° 15' W.,
315 lks. dist.
Each blazed and scribed 5 H E S 576 + B T
Cor. H-5, of the list survey, which is a sandstone 6 x 12 x 12 ins. above ground, marked and witnessed as described by the Forest Service, bears N. 11° 20' E., 20 lks. dist., I destroy all trace of this list cor.
Theence West,
Ascend 30 ft. over gradual North slope, thru oak, cedar and pinon.
.20 Fence bears N. and S. Cor. of fence is 12 lks. N. from which fences bear S. and W.
16.41 Cor. fence brs. N. 15 lks. Fence bear N. and E.
17.82 Top of ascent, Descend 20 ft.
30.00 To Cor. No. 4.
Deposit a sandstone 4 x 4 x 4 ins. marked with a + 14 ins. in the ground, over which set a red sandstone 24 x 8 x 8 ins. chiseled + for the point and 4 H E S 576 on NE. face; raise a mound of stone 3 ft. base, 2 ft. high, NE. of cor., whence:
A juniper 12 ins. dia., brs. S. 87° 10' W.,
161 lks. dist.
A cedar 12 ins. dia., brs. N. 4° 16' E.,
141 lks. dist.
Each blazed and scribed 4 H E S 576 + B T
Cor. H-4 of the list survey, which is a
sandstone 12 x 8 x 4 ins. above ground,
marked and witnessed as described by the
Forest Service, bears N. 25° 57' E., 38
lks. dist. I destroy all trace of this
list cor.

Thence North,

Desc. 25 ft. over gentle N. slope,
9.01

Wash; 27 lks. wide, 3 ft. deep, N. 70° E.

Thence over open bottom land.
30.00

To Cor. No. 5.

Deposit a sandstone 8 x 6 x 5 ins. marked with a - 25
ins. in the ground, over which set a sandstone 30 x 12
x 8 ins. chiseled - for the point and 5 H E S 576 on
SE. face; raise a mound of stone 3 ft. base, 2 ft. high,
SE. of cor., whence:

A cedar 12 ins. dia., brs. N. 10° 12' W.,
650 lks. dist.

A juniper 12 ins. dia., brs. N. 67° 08' E.,
686 lks. dist.

Each blazed and scribed 5 H E S 576 + B T
Cor. H-5 of the list survey, which is a sand-
stone 18 x 10 x 3 ins. above ground, marked
and witnessed as described by the Forest Ser-
vice, brs. N. 10° 51' E., 35 lks. dist. I
destroy all trace of this list cor.

Thence East,

Over open bottom land,

3.97

Wash, 59 lks. wide, 4 ft. deep (dry) course SE. Ascend
50 ft. over open SW. slope.

12.42

Top of ascent on ridge, brs NE. and SE. Desc. NE. slope,
**HOMESTEAD ENTRY SURVEY NO. 576**

**Tonto National Forest**

**State of Arizona**

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**Chains**

21.39 Wash, 35 lks. wide, 3 ft. deep (dry), course S.30° E. Ascend 30 ft. over SW. slope, thru scattering juniper.

26.93 Top of ascent, thence over level mesa thru scattering juniper.

45.05 To Cor. No. 6, deposit a sandstone 3 x 3 x 2 ins. marked with a + 24 ins. in the ground, over which set an iron post 2 ins. dia., 36 ins. long, with brass cap marked 1919 on S. rim, and 6 H E S 576 in SW. quadrant; raise a mound of stone 3 ft. base, 2 ft. high, SW. of cor., whence:

1 A cedar 10 ins. dia., brs. N. 78° 34′ E., 291 lks. dist.

1 juniper 18 ins. dia., brs. S. 29° 25′ E., 196 lks. dist.

Each blazed and scribed 6 H E S 576 + B T

Cor. H-2 of the list survey, which is a sandstone 12 x 6 x 4 ins. above ground, marked and witnessed as described by the Forest Service, bears N. 17° 01′ E., 20 lks. dist. I destroy all trace of this list cor.

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Thence S. 0°.04′ W., over level mesa thru scattering juniper and pinon.

12.11 Edge of mesa, descent 30 ft. over S. slope.

15.95 Cor. fence, fences bear West and S. along line inside of claim, over level bottom land.

26.16 Wash, 50 lks. wide, 4 ft. deep, (dry) course E. Ascend gradual N. slope, 20 ft.

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

April 26, 1917.
Homestead Entry Survey No. 576
Tonco National Forest
State of Arizona

Chains

Total Area: 157.81 Acres.

Improvements

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

- A frame house 20 x 20 ft., the sides extending E. and W. and the SW. cor. of which bears N. 78° 51' E., 7.87 chs. dist. from Cor. No. 1.
  Value: $500.00

- A frame shed 14 x 25 ft., the long sides extending N. and S., the SW. cor. of which bears N. 66° 10' E., 10.86 chs. dist. from Cor. No. 2.
  Value: $50.00

- Approximately 2 miles of wire fence.
  Value: $250.00

Description

The claim consists mainly of open bottom land, which lies at the junction of several wide shallow draws, and includes a portion of the slopes of the surrounding hills. The soil on the bottom land is a reddish sandy loam of good depth, and very fertile. The soil on the slopes is somewhat rocky.

Approximately 65 percent of the area is suitable for agricultural purposes, of which about 50 acres were under cultivation at the time of survey. Dry farming methods are depended upon to raise crops.

There is no water on the claim. Water for domestic use is hauled from Payson.
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. H.E.S. 126 lies about 1/2 mile dist. in a southeasterly direction. Payson, Arizona, the nearest settlement and Postoffice is about 1-1/2 miles in a southeasterly direction.

<table>
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<tr>
<th>Course</th>
<th>Dist.</th>
<th>N.</th>
<th>S.</th>
<th>E.</th>
<th>W.</th>
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<td>S. 0° 04' W.</td>
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<td>45.05</td>
<td>.05</td>
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Error in Lat. and Dep.

Closing Error, 1:3345

Survey completed April 27, 1919.

[Signature]

Surveyor - Forest Service.
Chains April 26, 1919.

Direct Solar at Cor. secs. 5, 6, 31 and 32, Ts. 10 and 11 N., R. 13 E.

Lat. 34° 14' 47" N., Long. 111° 21' 35" W., from Special instructions from Surveyor General and later verified.

Elevation approximately 6100 feet.

<table>
<thead>
<tr>
<th>Telescope</th>
<th>Pos.</th>
<th>1.m.t.</th>
<th>Horizontal</th>
<th>Vertical</th>
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<td>s.m.</td>
<td>Angle</td>
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<td>35° 09' 30&quot;</td>
<td>30° 48' 30&quot;</td>
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<td>Reversed</td>
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<td>30° 55' 30&quot;</td>
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<tr>
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<td>7h. 50m. 30s.</td>
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<td>30° 35' 00&quot;</td>
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<td>Means</td>
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<td>7h. 50m. 09s.</td>
<td>35° 18' 45&quot;</td>
<td>30° 45' 22&quot;</td>
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Corr. for Refr. 1° 12" 30° 44' 10"

Decl. 13° 18' 14" N.

\[
\text{Cos. Q.} = \frac{\text{sin.} 13° 18' 14"}{\text{cos.} 34° 14' 47" \times \text{tan.} 30° 44' 10"}
\]

\[
\text{tan.} 34° 14' 47" = \frac{9.6102765}{\text{log. .32387}}
\]

\[
\text{tan.} 34° 14' 47" = \frac{9.6333090}{\text{log. .40480}}
\]

\[
\text{tan.} 30° 44' 10" = \frac{9.7742517}{\text{log. .08093}}
\]

\[
\text{Q.} = 85° 21' 29" 
\]

Bearing of Reference Mark S. 50° 02' 44" E.
Chains

April 27, 1919.

Direct solar obsn. Cor. Secs. 5, 6, 31 and 32, Ts. 10 and 11 N., R. 13 E.

Lat. 34° 14' 47" N., Long. 111° 21' 35" W. from Special instructions from the Surveyor General and later verified. Elevation approximately 6100 ft.

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<td>Reversed</td>
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<td>41° 12' 30&quot;</td>
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<tr>
<td>Means</td>
<td>8h. 28m. 10s. 27° 36' 45&quot;</td>
<td>40° 58' 15&quot;</td>
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Corr. for refr. 48"

Decl. 13° 38' 13" N.

\[
\cos \theta = \frac{\sin 13° 38' 13"}{\cos 34° 14' 47" \times \cos 40° 57' 27" - \tan 34° 14' 47" \times \tan 40° 57' 27"}
\]

\[
\sin 13° 38' 13" = 0.2724864
\]

\[
\cos 34° 14' 47" = 0.9173087
\]

\[
\cos 40° 57' 27" = 0.8780597
\]

\[
9.5771180 = \log \ 0.57767
\]

\[
\tan 34° 14' 47" = 9.8330090
\]

\[
\tan 40° 57' 27" = 9.9365124
\]

\[
9.7715214 = \log \ 0.59091
\]

\[
\cos \theta = 0.21324
\]

\[
\theta = 77° 41' 16"
\]

Bearing of Reference Mark S. 50° 04' 31" E.
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<tr>
<th>CORNERS</th>
<th>BEARING</th>
<th>DISTANCE</th>
<th>LATITUDES</th>
<th>DEPARTURES</th>
<th>DOUBLE M. D.</th>
<th>N. AREAS</th>
<th>S. AREAS</th>
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<td>45 10</td>
<td>899 70</td>
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</table>

Error in Lat. and Dep. 02 08 07 05

Closing 1:33:45

899 70 4055 85 899 70 20/3156 15

157 51 Acres
APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, May 10, 1920

The foregoing field notes of Homestead Entry Survey No. 576

executed by Frank D. Heath, Surveyor

under his special instructions, dated May 28, 1918, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[Signature]

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.