U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 559

SITUATED IN THE COCHISE
NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 23, surveyed, Township 21 N., Range 9 E.
In Section 24, surveyed, Township 21 N., Range 9 E.

of the

Gila and Salt River Base & Meridian.

State of

Arizona.

---

Applicant for listing

Claude Smith,

Residence

Cooming, Arizona

Application No.

, dated

List No.

3-4569 , dated

Applicant for survey

Claude Smith

Residence

H. E. No. 055934 , dated

Land Office

Phoenix, Arizona

Survey executed by Thomas F. Myers, Surveyor - Forest Service,

Under special instructions dated

Survey commenced

July 9

, 1923

July 23

, 1923

Survey completed

July 25

, 1923

OATH OF ASSISTANTS

We hereby certify that we assisted Thomas P. Myers, Surveyor - Forest Service, in surveying all those parts or portions of Homestead Entry Survey No. 659, 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 before they were taken by the Surveyor.

Subscribed and sworn to before me this 25th day of July, 1923.

Thomas Myers
Surveyor - Forest Service.

OATH OF SURVEYOR

1. Thomas P. Myers, Surveyor - Forest Service, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated July 9, 1923, 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. 5-4569, dated May 3, 1923, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 659, situated within the Coconino National Forest, in
- surveyed Section 13, Township 21 N., Range 6 E., and
- surveyed Section 24, Township 21 N., Range 6 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 Myers
Surveyor - Forest Service.

Subscribed and sworn to before me this 9th day of January, 1924.

Ethel Myers
Notary Public.

My commission expires: April 12, 1925.
HOMESTEAD ENTRY SURVEY NO. 639
COCONINO NATIONAL FOREST
STATE OF ARIZONA

Applicant for listing, Claude Smith; List No. 3-4569, dated May 3, 1923.
Surveyed under special instructions from the Surveyor General for Arizona, dated July 9, 1923, and designated as Homestead Entry Survey No. 639.

Situated in Sec. 13 and 24, T. 21 N., R. 8 E., (surveyed and accepted) Gila and Salt River Base and Meridian, Coconino National Forest, Arizona.

Survey commenced July 23, 1923, and executed with a Buff and Buff transit No. 14631, 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 400 link steel tape. The slope angles were determined with a clinometer.

July 23, 1923.
At my station near Cor. No. 1 of this survey in Lat. 35° 11' 50" N., Long. 111° 29' 30" W. from Forest Service Base Map, at 6h 21m 12s p.m. l.m.t., I observe Polaris with telescope direct, reading an angle of 10° 47' 00" from star to left to reference mark about 1/2 mile distant.

Greenwich m.t. U.C. Polaris, July 24, 1923, 5h 20.5m a.m.

Corr. for Long. 1.2

l.m.t. U.C. Polaris, July 24, 1923, 5h 29.1m a.m.
l.m.t. Obsn. Polaris, July 23, 1923, 6h 21.8m p.m.

Hour angle 11h 07.9m
Azimuth of Polaris 0°17.5' E.
Bearing of reference mark N. 10° 29.5' W.
At same station at 6h 24m 22s p.m. l.m.t., I again observe Polaris with telescope reversed, reading an angle of 10°48'30" from star to left to same reference mark.

l.m.t. U.C. Polaris July 24, 1923, 5h 29.1m a.m.

l.m.t. Obsn. Polaris, July 23, 1923, 6h 24.4m p.m.

Hour angle 11h 04.7m

Azimuth of Polaris 0°18.5° E.

Bearing of reference mark N. 10°29.9° W.

The bearing of the reference mark as determined from the mean of the two observations is N. 10°29.7° W. I accept bearing of reference mark as N. 10°30° W., and from the corresponding meridian all courses of this survey were deflected by sustained angulation.

RETRACEMENT

July 23, 1923.

Beginning at the 1/4 Cor. between Secs. 13 and 24, T. 21 N., R. 8 E., a limestone 14x10x10 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence S. 89°45' W.

Retracing line between Secs. 13 and 24 W/2.

40.93

Fall 79 lbs. South of Cor. Secs. 13 and 24, a limestone 8x10x8 ins. above ground, marked and witnessed as described by the Surveyor General.

True line is N. 89°09' W. 40.93 chs.

July 23, 1923.

BOUNDARIES OF CLAIM

July 24, 1923.

Beginning at Cor. No. 1 and Closing Cor. on line between Secs. 13 and 24.

Deposit a limestone 1x2x3 ins., marked with a + 14 ins. in the ground, over which set a limestone 24x6x8 ins.,
Chains

chiseled + for the point, CC on NE. and 1 HES 639 on NW. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high NE. of Cor. on Closing line, whence:

A pinon 6 ins. dia. brs. N. 71°25' E. 90 lks.
A pinon 6 ins. dia. brs. S. 12°25' E. 114 lks.
Each blazed and scribed CC 1 HES 639 + BT.

1/4 Cor. Between Secs. 12 and 24, previously described, bears S. 89°09' E. 6.20 chs.
Latitude 35°11'45" N., Longitude 111°29'30" W. from Forest Service Base Map.
Mag. decl. at 9 a.m. 15°46' E. Mean Mag. decl. 15°43'
E.

Thence S. 45°24' W.

Over bottom land through scattering brush.

To Cor. No. 2.

Identical with Cor. 8/6 of the list survey, which is a limestone 6x8x8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a limestone 2x4x4 ins., marked with a + 16 ins. in the ground, over which set a limestone 24x8x10 ins. chiseled + for the point and 2 HES 639 on N. face; raise a mound of stone 2 ft. base 1-1/2 ft. high N. of Cor., whence:

A pinon 6 ins. dia. brs. S. 9°25' W. 74 lks.
A cedar 9 ins. dia. brs. S. 50°26' E. 108 lks.
Each blazed and scribed 2 HES 639 + BT.

Thence N. 38°25' W.

Descend 4 ft. over gentle N. slope over open grass land.

To Cor. No. 3 and Closing Cor. on line between Secs. 18 and 24.

Deposit a limestone 1x3x4 ins., marked with a + 15 ins. in the ground, over which set a limestone 24x8x10 ins. chiseled + for the point, CC on SE., 3 HES 639 on NE.
face; raise a mound of stone 2 ft. base 1-1/2 ft. high
SE of Cor., on Closing line, whence:
A pinon 9 ins. dia. brs. S. 57°06' W. 277 lks.
A pinon 6 ins. dia. brs. N. 45°05' E. 273 lks.
Each blazed and scribed GC 3 HES 639 + BT.
1/4 Cor. between Secs. 13 and 24, previously
described, bears S. 89°09' E. 8.67 chs.
Cor. Secs. 13, 14, 23 and 24, previously
described, bears N. 89°09' W. 32.25 chs.
Cor. No. 1, previously described, bears
S. 89°09' E. 2.37 chs.

Thence N. 36°25' W.
Over open bottom land.
.50
Arroyo 15 lks. wide, 2 ft. deep, course NE. Ascend
30 ft. over rolling NE. slope, through dense pinon
and cedar.
25.36
To Cor. No. 4.
Identical with Cor. H/6 of the list survey, which is a
sandstone 20x12x6 ins. above ground, marked and wit-nessed as described by the Forest Service. I destroy
all trace of this list. Cor.
Deposit a limestone 1x3x4 ins., marked with a + 14 ins.
in the ground, over which set a limestone 24x10x16 ins.
chiseled + for the point and 4 HES 639 on E. face;
raise a mound of stone 2 ft. base 1-1/2 ft. high E. of
Cor., whence:
A pinon 9 ins. dia. brs. S. 14°12' E. 48 lks.
A pinon 12 ins. dia. brs. S. 61°30' W. 551 lks.
Each blazed and scribed 4 HES 639 + BT.

Thence W. 8°37' W.
Descend 50 ft. over NW. slope through scattering pine,
pinon and cedar.
6.00
Bottom of descent, thence over bottom land.
Homestead Entry Survey No. 639
Coconino National Forest
State of Arizona

Chains
6.50
Road bears E. and W.
7.55
Arroyo 10 lks. wide, 2 ft. deep, course E.
10.20
Begin ascent of 10 ft. over SE. slope through scattering pine, pinon and cedar.
13.00
To Cor. No. 5.

Identical with Cor. 1/4 of the list survey, which is a sandstone 5x10x10 ins. above ground, marked and wit- nessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a limestone 2x6x7 ins., marked with a + 10 ins. in the ground, to solid rock, over which set a lime- stone 24x6x10 ins., chiseled + for the point and 5 HES 639 on SE. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of Cor., whence:

A pine 24 ins. dia. brs. S. 45°56' E. 219 lks.
A pine 15 ins. dia. brs. S. 5°46' W. 180 lks.

Each blazed and scribed 5 HES 639 + BT.

Thence S. 88°46' E.
Over rolling rocky land through edge of heavy pinon and cedar.
20.13
To Cor. No. 6.

Identical with Cor. 1/3 of the list survey, which is a limestone 10x12x12 ins. above ground, marked and wit- nessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a limestone 2x4x6 ins., marked with a + 20 ins. in the ground, over which set a limestone 30x18x10 ins. chiseled + for the point and 6 HES 639 on S. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high S. of Cor., whence:

A pinon 9 ins. dia. brs. N. 11°55' W. 56 lks.
A pinon 12 ins. dia. brs. N. 12°02' E. 121 lks.

Each blazed and scribed 6 HES 639 + BT.

July 24, 1923.
Chains

July 25, 1923.
Thence N. 50° 23' E.

Over rolling rocky land through edge of heavy pinon and cedar.

28.10
To Cor. No. 7.
Identical with Cor. H/2 of the list survey, which is a limestone 8x10x8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a limestone 2x4x4 ins., marked with a + 10 ins. in the ground, to solid rock, over which set a limestone 20x4x12 ins., no longer stone available, chiseled + for the point and 7 HES 639 on S. face; raise a mound of stone 2 ft. base, 1-1/2 ft. high S. of Cor., whence:

A pinon 12 ins. dia. brs. N. 69° 44' W. 15 lks.
A pinon 11 ins. dia. brs. N. 37° 54' E. 22 lks.
Each blazed and scribed 7 HES 639 + BT.

Thence S. 75° 14' E.

Over gently rolling open grass land.

20.02
To Cor. No. 8.
Identical with Cor. H/1 of the list survey, which is a limestone 7x10x10 ins. above ground; marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a limestone 2x5x5 ins., marked with a + 16 ins. in the ground, over which set a limestone 24x10x4 ins. chiseled + for the point and 8 HES 639 on SW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high SW. of Cor., whence:

A pine 20 ins. dia. brs. N. 14° 02' E. 301 lks.
A pinon 14 ins. dia. brs. N. 67° 57' E. 347 lks.
Each blazed and scribed 8 HES 639 + BT.

1/4 Cor. between Secs. 13 and 18, a limestone
<table>
<thead>
<tr>
<th>Chains</th>
</tr>
</thead>
<tbody>
<tr>
<td>12x8x10 ins. above ground, marked and witnessed as described by the Surveyor General, bears S. 44°41' E. 7.09 chs. by direct measurement.</td>
</tr>
</tbody>
</table>

Thence S. 0°48' W.

Ascend gradually 20 ft. over open E. slope.

16.00

Top of ascent. Thence over level mesa land through heavy cedar and pinon.

20.06

To Cor. No. 9.

Identical with Cor. H/8 of the list survey, which is a limestone 11x7x16 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a limestone 2x2x4 ins., marked with a + 20 ins. in the ground, over which set a limestone 20x10x20 ins. chiseled + for the point and 9 HES 639 on NW. face; raise a mound of stone 2 ft. base 1-1/2 ft. high NW. of Cor., thence:

A pinon 6 ins. dia. brs. N. 69°30' W. 17 lks.

A pinon 9 ins. dia. brs. S. 55°30' W. 63 lks.

Each blazed and scribed 9 HES 639 + MT.

Thence N. 89°01' W.

Ascend 4 ft. over E. slope through pinon and cedar.

1.80

Top of ascent thence over mesa land.

3.00

Descend 15 ft. over rocky W. slope, through pinon and cedar.

7.00

Bottom of descent. Ascend 20 ft. gradually over E. slope through pinon and cedar.

15.06

To Cor. No. 10.

Identical with Cor. H/7 of the list survey, which is a limestone 4x8x10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.
Deposit a limestone 2x4x6 ins., marked with a + 14 ins. in the ground, over which set a sandstone 24x11x7 ins. chiseled + for the point and 10 HED 639 on N. face; raise a mound of stone 2 ft. base 1-1/2 ft. high N. of Cor., whence:

A pinon 11 ins. dia. brs. S. 69°15' W. 73 lks.
A cedar 6 ins. dia. brs. S. 28°26' E. 47 lks.
Each blazed and scribed 10 HED 639 + BT.

Thence S. 45°24' W.
Over rolling land through heavy pinon and cedar.
36.08
To Cor. No. 1, the place of beginning.

AREA

Area in Sec. 13 = = = = = = = = = = = = = = = = 154.85 acres
Area in Sec. 24 = = = = = = = = = = = = = = = = =16 acres
Total area = = = = = = = = = = = = = = = = = = = = = 155.00 acres

IMPROVEMENTS

There were no improvements on the claim at the time of survey.

GENERAL DESCRIPTION

This claim is situated at the junction of three shallow draws and is comprised mainly of open grass park land in the draws. The surrounding hills are low and covered with a heavy stand of pinon and cedar as is also the low ridge which extends in a northeasterly direction through the center of the claim. Approximately 70 acres of the area are suitable for agricultural purposes, of which about 5 acres have been plowed. The soil on the agricultural portion is a rich dark loam of good depth and very fertile; the remainder is suitable for pasture land only.
There is a fairly heavy stand of pinon and cedar on the ridge near the center of the claim, suitable for cordwood only.

I saw no indication of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

Cocinino, Arizona, the nearest settlement and postoffice and railway station on the Atchison, Topeka and Santa Fe Railway, lies about 1-1/2 miles distant in a northeasterly direction.

Flagstaff, Arizona, the main trading point in this vicinity, lies about 16 miles distant in a westerly direction.

Survey completed July 25, 1923.

[Signature]
Surveyor - Forest Service.
### TABLE OF AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 234, STATE OF ARIZONA

<table>
<thead>
<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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<tbody>
<tr>
<td></td>
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<td></td>
<td>NORTH</td>
<td>SOUTH</td>
<td>EAST</td>
<td>WEST</td>
<td></td>
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<td></td>
<td>AREA IN SEC. 24</td>
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<tr>
<td>1 - 2</td>
<td>S. 45° 24' W</td>
<td>1.64</td>
<td>1.29</td>
<td>1.31</td>
<td>3.43</td>
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<tr>
<td>2 - 3</td>
<td>N. 26° 25' W</td>
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<td>1.06</td>
<td>1.06</td>
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<tr>
<td>3 - 1</td>
<td>S. 89° 04' E</td>
<td>2.37</td>
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<td>1.33</td>
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<td>1.41</td>
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**Error in Lat. & Dept.: None**

**Closing error:** None

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<tr>
<th></th>
<th>AREA IN SEC. 13</th>
<th>15 acres</th>
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<td>6 - 7</td>
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<td>7 - 8</td>
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<td>1 - 3</td>
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**Closing error 1/4029:**

**20/209.02**

**184.83 acres**
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<th>Description</th>
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<tr>
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<tr>
<td>N 89° 01' W 11.06</td>
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<td>S 45° 24' W 36.08</td>
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<tr>
<td>N 89° 09' 3 6.30</td>
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</tr>
<tr>
<td>N 89° 45' 3 40.00</td>
<td>40.00</td>
<td>40.00</td>
</tr>
<tr>
<td>N 00° 10' W 40.00</td>
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<td>N 44° 41' W 7.09</td>
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<tr>
<td>S 89° 45' W 40.00</td>
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<td>N 89° 09' W 40.93</td>
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<td>40.93</td>
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<tr>
<td>N 00° 23' 8 87.60</td>
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<td>N 87° 17' 8 80.46</td>
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<tr>
<td>S 00° 10' 8 86.70</td>
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<td>80.93</td>
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*Reference under "Remarks." Begin the record of a new township on a new page.*
APPROVAL

Office of the United States Surveyor General,
Phoenix, Arizona, April 4, 1924

The foregoing field notes of Homestead Entry Survey No. 639

executed by Thomas F. Myers, Surveyor
under his special instructions, dated July 9, 1923, 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.

[Signature]
U. S. Surveyor General.