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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

ORIGINAL

HOMESTEAD ENTRY SURVEY NO. 639

SITUATED IN THE COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 13 , -surveyed, Township 21 N., Range 8 E.

In Section 24 , -surveyed, Township 21 N., Range 8 E.

of the

Gila and Salt River Base & Meridian.

State of
Arizona.

Applicant for listing Claude Smith,

Residence Gosnino, Arizona

Application No. , dated , 19

List No. 3-4569 , dated May 3 , 1923

Applicant for survey Claude Smith

Residence

H. E. No. 055934 , dated Dec. 11 , 1923.

Land Office Phoenix, Arizona.

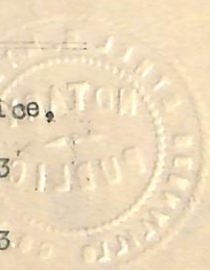
Survey executed by Thomas F. Myers, Surveyor - Forest Service, [Forest Service Title]

Under special instructions dated July 9 , 19 23

Survey commenced July 23 , 19 23

Survey completed July 25 , 19 23

Under Acts of June 11, 1906, and February 26, 1923.



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. **639**, 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.

J. P. Gray Chairman,
Keowock Chairman

Subscribed and sworn to before me this **25th** day of
July, 19 **23**.

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
July 9, 19**23**, 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. **3-4569**, dated **May 3**, 19**23**, for
Patent, under the Act of **June 11**, 19**06**,
the same to be known as Homestead Entry Survey No. **639**,
situated within the **Coconino** National Forest, in
- surveyed Section **13**, Township **21 N.**, Range **8 E.**, and
- surveyed Section **24**, Township **21 N.**, Range **8 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 **9th** day of
January, 19 **24**.

Estel G. Myers
Notary Public.



8-2349

My commission expires: **April 12, 1925.**

Chains 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.
Situating in Secs. 13 and 24, T. 21 N., R. 8 E., (sur-
veyed and accepted) Gila and Salt River Base and
Meridian, Coconino National Forest, Arizona.
Surveyed under the Acts of June 11, 1906, and February
26, 1923.

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 30.3m 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 21.2m p.m.

Hour angle 11h 07.9m

Azimuth of Polaris 0°17.5' E.

Bearing of reference mark N. 10°29.5' W.

Chains

At same station at 6h 24m 22s p.m. 1.m.t., I again observe Polaris with telescope reversed, reading an angle of 10°48'30" from star to left to same reference mark.

1.m.t. U.C. Polaris July 24, 1923, 5h 29.1m a.m.
 1.m.t. Obsn. Polaris, July 23, 1923, 6h 24.4m p.m.
 Hour angle 11h 04.7m
 Azimuth of Polaris 0°18.6' 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 lks. South of ^{Closing} 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 8 ins. dia. brs. S. 12°25' E. 114 lks.

Each blazed and scribed CC 1 HES 639 + BT.

1/4 Cor. Between Secs. 13 and 24, previously described, bears S. 89°09' E: 6.30 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.

1.84 To Cor. No. 2.

Identical with Cor. H/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.

1.70 To Cor. no. 3 and Closing Cor. on line between Secs. 13 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.

4.

Chains

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 CC 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. 32.26 chs.

Cor. No. 1, previously described, bears S. 89°09' E. 2.37 chs.

Thence N. 38°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.

25.38 To Cor. No. 4.

Identical with Cor. H/5 of the list survey, which is a sandstone 20x12x6 ins. above ground, marked and witnessed 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 N. 8°37' W.

Descend 50 ft. over NW. slope through scattering pine, pinon and cedar.

6.00 Bottom of descent, thence over bottom land.

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. H/4 of the list survey, which is a sandstone 5x10x10 ins. above ground, marked and witnessed 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 limestone 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. 43°56' E. 219 lks.

A pine 15 ins. dia. brs. S. 5°48' 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. H/3 of the list survey, which is a limestone 10x12x12 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 + 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°35' 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.

56

HOMESTEAD ENTRY SURVEY NO. 639

COCONINO NATIONAL FOREST

STATE OF ARIZONA

6.

Chains	<p>July 25, 1923.</p> <p>Thence N. 50°23' E.</p> <p>Over rolling rocky land through edge of heavy pinon and cedar.</p> <p>28.10 To Cor. No. 7.</p> <p>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.</p> <p>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:</p> <p style="padding-left: 40px;">A pinon 12 ins. dia. brs. N. 69°44' W. 15 lks.</p> <p style="padding-left: 40px;">A pinon 11 ins. dia. brs. N. 37°54' E. 22 lks.</p> <p style="padding-left: 40px;">Each blazed and scribed 7 HES 639 + BT.</p>
	<p>Thence S. 75°14' E.</p> <p>Over gently rolling open grass land.</p> <p>20.02 To Cor. No. 8.</p> <p>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.</p> <p>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:</p> <p style="padding-left: 40px;">A pine 20 ins. dia. brs. N. 14°02' E. 301 lks.</p> <p style="padding-left: 40px;">A pinon 14 ins. dia. brs. N. 67°37' E. 347 lks.</p> <p style="padding-left: 40px;">Each blazed and scribed 8 HES 639 + BT.</p> <p style="padding-left: 40px;">1/4 Cor. between Secs. 13 and 18, a limestone</p>

Chains 12x8x10 ins. above ground, marked and witnessed as described by the Surveyor General, bears S. 44°41' E. 7.09 chs. by direct measurement.

Thence S. 0°48' W.
Ascend gradually 30 ft. over open N. 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 30x10x20 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., whence:
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 + BT.

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 4x6x10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Chains

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 HES 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. 89°15' W. 73 lks.

A cedar 6 ins. dia. brs. S. 28°25' E. 47 lks.

Each blazed and scribed 10 HES 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 - - - - - .15 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.

Chains

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.

Cosnino, 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.

Thomas G. Myers
Surveyor - Forest Service.

60

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

These are used to measure (from yellow yellow and green
for building, made out of wood and iron nails and

• Pine Deciduous

• White oak No. 100000 to 1000000 of 1000

MADE BY THE U.S. GEOLOGICAL SURVEY

• White oak No. 100000 to 1000000 of 1000

• White oak No. 100000 to 1000000 of 1000

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ence under "Remarks." Begin the record of a new township on a new page.
of land has been used as the base of a selection under the Act of June 4, 18

			Closure	E/2	sec		
S 0° 48' W	20.06		20.06			W	78
N 89° 01' W	15.06	76					15 06
S 45 24 W	36.08		25 33				75 69
S 89° 09' E	6.30		09	6.30			
N 89° 45' E	40.00	17		40 00			
N 0° 10' W	40.00	4000					12
N 44° 41' W	7.09	504					4 98
<hr/>							
		45.47	45.48	46.30	46.13		ET
S 89° 45' W	40.00		17		40.00		
N 89° 09' W	40.93	61			40 93		
N 0° 23' E	82.60	82 60		.55			
N 87° 17' E	80.46	381		80 37			
S 0° 10' E	86.70		86.70	25			
<hr/>							
		87.07	86.87	81.17	80.93		ET

62A

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**

[Forest Service Title]

under his special instructions, dated **July 9** , 19**23**, having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

Charles M. Donohoe
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.

Charles M. Donohoe

U. S. Surveyor General.