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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

ORIGINAL

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 607

SITUATED IN THE CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 24 , un-surveyed, Township 3 N. , Range 14 E.

(Partly surveyed and accepted).

of the

Gila and Salt River Base and Meridian.

State of

Arizona

Applicant for listing W. A. Russell,
 Residence Globe, Arizona.
 Application No. 182 , dated May 11 , 19 11.
 List No. 3-1621 , dated December 7 , 19 11.

Applicant for survey Sheppard, Frank H.,
 Residence Globe, Arizona.
 H. E. No. 044949 , dated January 21 , 19 20.
 Land Office Phoenix, Arizona.

Survey executed by F. L. Kirby, Deputy Forest Supervisor,
[Forest Service Title]
 Under special instructions dated March 6 , 19 20
 Survey commenced February 8 , 19 21
 Survey completed February 9 , 19 21

Under Acts of June 11, 1906, and May 31, 1920.

OATH OF ASSISTANTS

We hereby certify that we assisted **F. L. Kirby,**
Deputy Forest Supervisor, in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **607**, 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.

John B. Wight
Chainman.

Subscribed and sworn to before me this **9th** day of
February, 19 **21**.

F. L. Kirby
Deputy Forest Supervisor,

OATH OF SURVEYOR

I, **F. L. Kirby** Deputy Forest Supervisor,
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for **Arizona**, dated
March 6, 19 **20**, 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. **5-1621**, dated **December 7, 19 11**, for
Patent , under the Act of **June 11**, 19 **06**,
the same to be known as Homestead Entry Survey No. **607**,
situated within the **Crook** National Forest, in
un-surveyed Section **24**, Township **3 N.**, Range **14 E.**, and
--- surveyed Section -----, Township -----, Range --- (Partly surveyed
and accepted),

of the **Gila & Salt River Base and 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

F. L. Kirby
Deputy Forest Supervisor.
[Forest Service Title.]

Subscribed and sworn to before me this _____ day of

17th day of December, 19 23



8-2349

Raymond Allee
Notary Public.

My Commission Expires May 7-1925

My commission expires:

Chains Applicant for listing, W. A. Russell; Application No. 182, dated May 11, 1911; List No. 3-1621, dated December 7, 1911; H. E. 044949, made in the Phoenix Land Office on January 21, 1920, by Frank H. Sheppard. Surveyed under special instructions from the Surveyor General for Arizona, dated March 6, 1920, and designated as Homestead Entry Survey No. 607.

Situated in Sec. 24 (Unsurveyed), T. 3 N., R. 14 E. (Partly surveyed and accepted), Gila and Salt River Base and Meridian, Crook National Forest, Arizona.

Surveyed under the Acts of June 11, 1906, and May 31, 1920.

Survey commenced February 8, 1921, and executed with an A. Leitz transit No. 6384, equipped with Saegmuller 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.

February 8, 1921.

At Cor. No. 1, H. E. S. 607, hereinafter described, in Latitude $33^{\circ}35'26''$ N., Longitude $110^{\circ}52'40''$, from Forest Service Base Map, I observe Polaris at western elongation at 10h. 16m. p.m., l.m.t., telescope direct, reading an angle of $20^{\circ}38'$ from star to reference mark, about 12 chs. distant. Reference mark West of star.

At same station at 10h. 21m. p.m., lmt., I again observe Polaris at western elongation with telescope reversed, reading an angle of $20^{\circ}37'45''$ to same reference mark.

Chains

Mean angle star to reference mark $20^{\circ}37'53''$ Azimuth of Polaris at Obsn. $1^{\circ}20'03''$ W.Bearing of Reference mark N. $21^{\circ}57'56''$ W.

From the meridian thus determined all the courses of
this survey were deflected by sustained angulation.

February 8, 1921.

ESTABLISHMENT OF U.S.L.M. NO. 607 H.E.S.

February 8, 1921.

After careful search I am unable to find the 1/4 Cor.
between Secs. 25 and 36 or the NE. Cor. of Sec. 36,
T. 3 N., R. 14 E. I therefore establish U. S. Location
Monument No. 607 H.E.S. as follows:

On a white quartzite stone in place, showing 16x26x4
ins. above ground, on flat top of stone, I chisel + for
the point and USLM 607 HES.; raise a mound of stone
5 ft. base 4-1/2 ft. high E. of Cor.

A catclaw 5 ins. dia. brs. N. $85^{\circ}58'$ E. 311

lks. marked USLM 607 HES + BT.

There are no other witnesses within limits.

Roughinstraw Mountain brs. S. $73^{\circ}18'$ E.Squaw Peak bears S. $25^{\circ}51'$ E.South end Armer Mountain brs. N. $26^{\circ}16'$ W.

Cor. Ts. 2 and 3 N., Rs. 14 and 15 E., a white

stone set in mound of stone, showing 18x14x12

ins., above surface, chiseled 6 notches on S.,

W., N. and E. edges, 2 N. on SW. face, 3 N. on

NE. face, 14 E. on NW. face and 15 E. on SE. face,

with mound of stone 2 ft. base 1-1/2 ft. high S.

of Cor., brs. S. $0^{\circ}11'30''$ E. 206.30 chs. distant

by traverse which appears at the end of these

notes.

Chains

BOUNDARIES OF CLAIM

February 9, 1921.

Beginning at Cor. No. 1.

Identical with Cor. H/1 of the list survey, which is a sandstone 18x15x12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a red sandstone 3x6x7 ins., marked + 20 ins. in the ground, over which set a red sandstone 12x18x24 ins. chiseled + for point and 1 HES 607 on the NW. face; raise a mound of stone 3-1/2 ft. base, 3 ft. high NW. of Cor., whence:

A Palo Verde tree 4 ins. dia. blazed and scribed 1 HES 607 + BT. brs. S. 42°17' W. 124 lks. distant.

No other trees available.

A white sandstone in place outcropping 24x24x20 ins. above the surface, chiseled 1 HES 607 BR brs. N. 5°44' E. 98 lks. distant.

U.S.L.M. 607 H.E.S., previously described, brs. S. 63°08' E. 4.95 chs. distant, by direct measurement.

Latitude 33°35'26" N., Longitude 110°52'40" W. from Forest Service Base Map.

The observed magnetic declination at 9 a.m. is 14°34' E., which, corrected for diurnal change, gives a mean magnetic declination of 14°32' E.

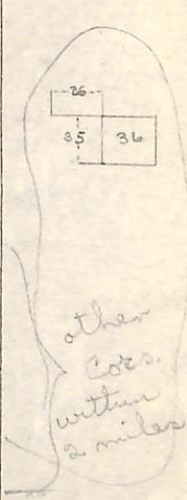
Note: Search was made for the 1/4 Cor. between Secs. 25 and 36 and also for the NE. Cor. Sec. 36, T. 3 N., R. 14 E., but no evidence of either Cor. was found. Tie was therefore made to NE. Cor. Sec. 1, T. 2 N.,

R. 14 E. as above recorded, the location of which was known; consequently was the most convenient to which tie might be made. Thence N. 51°39' W. — 51°39'

Descend 120 ft. to flat.

4.90

Bottom of descent, thence across bottom land.



Chains

7.15 Shute Spring Wash, dry sand wash, 2 ft. bank, course N.
Ascend 15 ft. over boulder covered hillside.

13.50 Top of ascent. Descend 25 ft. over boulder covered
hillside.

19.00 Shute Spring Wash, dry, 3 ft. banks, course N. 75° W.
Ascend 150 ft. over SE. slope.

25.53 To Cor. No. 2.

Identical with Cor. H/2 of the list survey, which is a
porphyry boulder in place showing 7x12x3 ins. above
ground, marked and witnessed as described by the Forest
Service, recorded as trachite stone 10x8x4 ft. above
ground. I destroy all trace of this list Cor.

A porphyry boulder, in place showing 7x12x3 ft. above
ground, chiseled + for point and 2 HES 607; raise a
mound of stone 3 ft. base, 2-1/2 ft. high NE. of Cor.,
whence:

A bare flat porphyry ledge chiseled 2 HES

607 + BR brs. N. 6°33' W. 19 lks. distant.

No other suitable witness available.

Thence N. 52°11' E.

Across level cactus covered mesa.

8.15 To Cor. No. 3.

Identical with Cor H/3 of the list survey, which is a
gray quartzite stone 10x10x8 ins. above ground, marked
and witnessed as described by the Forest Service. I
destroy all trace of this list Cor.

Deposit a red sandstone 3x4x5 ins., chiseled + 18 ins.
in the ground; over which set a white porphyry stone
26x5x18 ins., chiseled + for point and 3 HES 607 on SE
face; raise a mound of stone 3 ft. base, 3 ft. high SW.
of Cor.

No suitable witnesses available within
prescribed distance.

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Thence S. 53°17' E.

6.10

Fence, brs. N. 40° E. and S. 40° W.

11.20

Main trail to Globe, brs. N. and S.

Descend 5 ft. gradually along gentle SW. slope.

21.50

Cor. No. 4.

Identical with Cor. H/4 of the list survey, which is a quartzite stone 12x10x8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a red sandstone 2x4x4 ins., chiseled + 18 ins. in the ground; over which set a white dacite stone 24x3x16 ins., chiseled + for point and 4 HES 607 on SW. face; raise a mound of stone 3 ft. base 2 ft. high SW. of Cor., whence:

A Palo Verde tree 4 ins. dia. blazed and scribed 4 HES 607 + BT. brs. S. 46°42' E. 87 lks. distant.

No other suitable witnesses available within prescribed distance.

Thence S. 24°43' W.

2.80

Globe trail, brs. N. 60° W. and S. 60° E. Descend 20 ft., open rocky hillside.

4.52

Small ravine 10 lks. wide, 1 ft. banks, course N. 70° W. Ascend 10 ft. over N. slope

8.77

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

AREA

Total Area- - - - - 19.33 acres.

IMPROVEMENTS

The improvements made upon this claim and belonging to the claimant are as follows:

A one-room house of lumber, 10x12 ft., with 6x10 ft. shed attached, the long side of which extends N. 50°

.6/

Chains

W. and S. 50° E., the most southerly corner of which bears N. 59° 15' W. 10.40 chs. distant from Cor. No. 4.

Value - - - - - \$ 75.00

Approximately 120 rods. of barbed wire fence.

Value - - - - - \$ 100.00

There is also a picket roundup corral on the area. It is 80 ft. in dia. and brs. S. 61° E. 5.75 chs. from Cor. No. 2. This corral was built and is owned by some grazing permittees.

Value - - - - - \$ 75.00

GENERAL DESCRIPTION

The claim is situated on a small dry sand wash, near what is known as Shute Spring. It is on a comparatively level mesa and is surrounded by brushy mountainous country. The elevation is approximately 3100 ft. The general slope is to the west and northwest into Salt River. The agricultural portion, comprising approximately 7 acres, is a rich sandy loam and is suitable for raising any kind of local crops, providing water for irrigation is made available. Its main value at present is for a headquarters cattle ranch.

There is no merchantable timber on the claim.

There are no indications of any mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

Globe, Arizona, the nearest postoffice, trading point and railway station is 20 miles distant in a southerly direction.

The claim is accessible by 14 miles of good road and 6 miles of trail.

Survey completed February 9, 1921.

E. L. Kirby
Deputy Forest Supervisor.

- 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. 607, STATE OF ARIZONA

8-2349

| CORNERS. | BEARING. | DISTANCE. | LATITUDES. | | DEPARTURES. | | DOUBLE M. D. | N. AREAS. | | S. AREAS. | |
|----------------------|--------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------|-----------|--|-------------|----|
| | | | NORTH. | SOUTH. | EAST. | WEST. | | | | | |
| 1 - 2 | N. 51°39' W. | 25.53 | 15 84 ³ | | | 20 02 ¹ | 20 01 | 316 76 | | | |
| 2 - 3 | N. 52°11' E. | 8.15 | 5 00 | | 6 44 | | 6 44 | 32 20 | | | |
| 3 - 4 | S. 53°17' E. | 21.50 | | 12 85 ⁶ | 17 23 ⁴ | | 30 12 | | | 387 34 | |
| 4 - 1 | S. 24°43' W. | 8.77 | | 7 97 | | 3 67 | 43 69 | | | 348 21 | |
| | | 63.96 | 20 84 | 20 82 | 23 67 | 23 69 | | 348 96 | | 735 55 | |
| | | | 20 82 | | | 23 67 | | | | 348 96 | |
| Error in lat. & dep. | | | 2 | | | 2 | | | | 20/386 59 | |
| Closing error 1/2261 | | | | | | | | | | 19 33 acres | 90 |

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 607, STATE OF Arizona

8-2349

| CORNERS. | BEARING. | DISTANCE. | LATITUDES. | | DEPARTURES. | | DOUBLE M. D. | N. AREAS. | S. AREAS. |
|--|----------------|-------------|------------|--------|-------------|-------|--------------|-----------|-----------|
| | | | NORTH. | SOUTH. | EAST. | WEST. | | | |
| TRAVERSE OF TIE FROM U.S.L.M. 607 H.E.S. TO THE N.E. COR. TO SEC. 1, T. 2 N., R. 14 E. | | | | | | | | | |
| | S. 24°03' E. | 80.65 | | 73.65 | 32.87 | | | | |
| | S. 15°54' W. | 112.20 | | 107.91 | | 30.74 | | | |
| | S. 3°20' W. | 24.78 | | 24.74 | | 1.44 | | | |
| | | | | 206.30 | 32.87 | 32.18 | | | |
| | | | | | 32.18 | | | | |
| | | | | | 69 | | | | |
| | S. 0°11'30" E. | 206.30 chs. | | G. C. | | | | | |
| <i>(could hardly be less than total bearing)</i> | | | | | | | | | |

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, May 5 , 1924

The foregoing field notes of Homestead Entry Survey No.

607

executed by F. L. Kirby, Deputy Forest Supervisor [Forest Service Title]
under his special instructions, dated March 6 , 1920, 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.