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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 644

SITUATED IN THE TUSAYAN NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 5, unsurveyed, Township 29 N, Range 6 E.

In Section 8 unsurveyed " " " "

of the

Gila and Salt River Base & Meridian.

State of

ARIZONA

Applicant for listing, Sanford Rowe

Residence, Grand Canyon, Arizona.

Application No. , dated , 19

List No. , dated , 19

Applicant for survey

Residence

H. E. No. , dated , 19

Land Office Phoenix, Arizona

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

Under special instructions dated September 18, , 19 25

Survey commenced March 30 , 19 26

Survey completed March 31 , 19 26

Under Acts of June 11, 1906 and February 10, 1925



OATH OF ASSISTANTS

We hereby certify that we assisted **Thomas F. Myers** Chief Surveyor, Forest Service [Forest Service Title.] in surveying all those

parts or portions of Homestead Entry Survey No. **644**, 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

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.

Arthur Gibson
W. J. Doherty

Subscribed and sworn to before me this **31st** day of

March, 1926

Thomas F. Myers

Chief Surveyor, Forest Service

OATH OF SURVEYOR

I, **Thomas F. Myers, Chief Surveyor, Forest Service** [Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for **Arizona**, dated **September 18,** 1925, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land as a basis for listing and patent.

, No. , dated , 19 , for , under the Act of **June 11,** 1906, the same to be known as Homestead Entry Survey No. **644**, situated within the **Tusayan** National Forest, in unsurveyed Section **5**, Township **29 N.**, Range **6 E.**, and unsurveyed Section **8**, Township **29 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 F. Myers

Chief Surveyor, Forest Service [Forest Service Title.]

Subscribed and sworn to before me this **13th** day of

July, 1926

Bonnie M. Brewer

Notary Public



My Commission Expires Sept. 30, 1928

Chains

of Grand Canyon, Arizona
 Surveyed a tract of land upon the application of Sanford Rowe/as
 a basis for listing and patent.

Surveyed under special instructions from the Office of Public
 Surveys for Arizona, dated September 18, 1925, and designated
 as homestead Entry Survey No. 644.

Situated in unsurveyed Secs. 5 and 8, T. 29 N., R. 6 E. (partly
 surveyed and accepted) Gila and Salt River Base and Meridian,
 Tusayan National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and February 10, 1925.

Survey commenced March 30, 1926, 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 cor-
 rections.

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.

My watch was set for Standard time obtained from Western Union,
 clock at Williams, Arizona, on March 29, 1926, and checked with
 same clock on April 10, 1926, and found to agree within 20 seconds.

March 30, 1926.

At my station approximately 19.00 chs. south and 13.00 chs. East
 of Cor. No. 2, hereinafter described, in latitude $35^{\circ} 55' 37''$ N.
 longitude $111^{\circ} 46' 44''$ W. from Forest Service Base Map. At
 6h. 21m. 54s. p.m. l.m.t. I observe Polaris with telescope direct,
 reading an angle of $0^{\circ} 58'$ from star to right to reference mark.

Greenwich m.t. U. C. Polaris March 30, 1926 1h. 5.1m. p.m.

Corr. for Long. 1.2

l.m.t. U. C. Polaris, March 30, 1926 1h. 3.9m. p.m.

l.m.t. Obsn. Polaris, March 30, 1926 6h. 21.9m. p.m.

Hour angle 5h. 18m.

Azimuth of Polaris $1^{\circ} 19.7'$ W.

Bearing of reference mark N. $0^{\circ} 21.7'$ W.

At same station at 6h. 23m. 42s. p.m. l.m.t. I again observe

Polaris with telescope reversed reading an angle of $0^{\circ} 58'$ from

Chains

star to right to same reference mark

l.m.t. U. C. Polaris March 30, 1926

1h. 3.9m. p.m.

l.m.t. Obsn. Polaris

6h. 23.7m. p.m.

Hour angle

5h. 19.8m. p.m.

Azimuth of Polaris 1° 19:9" W.

Bearing of reference mark N. 0° 21' 54" W.

The bearing of the reference mark as determined from the mean of the two obsns. is N. 0° 21' 48" W. I accept bearing of reference mark as N. 0° 22' W. and from the corresponding meridian all the courses of this survey were deflected by sustained angulation.

RETRACEMENT

March 30, 1926.

Beginning at Cor. No. 1 of HES 469, a limestone 12x8x10 ins. above ground marked and witnessed as described in official note thereof.

Thence S. 89° 41' E.

Retracing line 1 to 4 of HES 469

45.84 Fall 1.5 lks. south of Cor. No. 4 of HES 469, a limestone 16x6x10 ins. above ground, marked and witnessed as described in official note thereof.

Thence N. 89° 42' W.

On true line 4 - 1 of HES 469

5.84 Set temporary point for Cor. No. 3 of HES 644

45.84 To Cor. No. 1 of HES 469 previously described

BOUNDARIES OF CLAIM

March 30, 1926.

Beginning at Cor. No. 1

Deposit a limestone 3x3x2 ins. marked with a + 16 ins. in ground, over which set a limestone 26x8x10 ins. marked + on top for point and 1 HES 644 on NE face; raise a mound of stone 3 ft. base 2 ft. high NE of Cor. whence:

Pinon 12 ins. dia. bears N. 74° 30' E. 26 lks.

Pinon 20 ins. dia. bears N. 36° 45' W. 94 lks.

Each marked 1. HES 644+BT

Cor. No. 1 of HES 469 heretofore described bears N. 0° 32' E.

1° 19.8
21.8
0° 21' 45"

TUSAYAN NATIONAL FOREST
STATE OF ARIZONA

Chains	<p>39.98 chs. by direct measurements.</p> <p>Cor. Secs. 7, 8, 17 and 18 (surveyed and accepted) T. 29 N., R. 6 E. a limestone 24x14x5 ins. surrounded by a mound of stone 4 ft. base 1½ ft. high, marked and witnessed as described by the Office of Public Surveys bears S. 6° 18' 30" W. 74.44 chs. by traverse which appears at the end of these notes.</p> <p>Note: An independent tie was not run to the above described Sec. Cor. Tie was made to Cor. No. 1 of HES 469 (Accepted) which was tied to the above Sec. Cor.</p> <p>Latitude 35° 55' 24" N., Longitude 111° 46' 57" from Forest Service Base Map and U.S.G.S. San Francisco Mtn. sheet.</p> <p>Mag. decl. at 12 o'clock noon 15° 00' E.</p> <p>Mean mag. decl. 15° 02' E.</p>
	<p>Thence N. 0° 32' E.</p> <p>Over open land</p> <p>1.89 Arroyo 10 lks. wide 3 ft. deep, course East.</p> <p>3.55 Road, Tuba City - Grand Canyon bears East and West. Thence over rolling rocky land through dense pinon and cedar.</p> <p>39.98 To Cor. No. 2 At Cor. of fence, whence fence bears S. 89° 42' E. and 50° 32' W. Identical with Cor. No. 1 of HES 469 previously described, I mark same stone 2 HES 644 on S. face for Cor. No. 2 of the survey: whence:</p> <p>Pinon 6 ins. dia. bears S. 55° 00' W. 32 lks.</p> <p>Pinon 5 ins. bears S. 22° 00' W. 27 lks.</p> <p>Each marked 2 HES 644+BT</p>
	<p>Thence S. 89° 42' E.</p> <p>Along line 1 - 4 of HES 469</p> <p>Descend over rocky E. slope, fence on line.</p> <p>4.50 Bottom of descent, thence over sage brush flat.</p> <p>5.00 Road, bears N. and S.</p> <p>34.90 Cor. fence. Fences bear N. and westerly along line.</p> <p>39.12 Fence bears N. and S. Line is also along N. side of corral fence</p> <p>39.94 Cor. fence, fences bear NW and S.</p> <p>40.00 To Cor. No. 3.</p>

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Chains

Deposit a limestone 6x6x2 ins. marked with a + 16 ins. in ground over which set a limestone 26x8x10 ins. marked + on top for point and 3 HES 644 on SW face; raise a mound of stone 2 ft. base 1 1/2 ft. high SW of Cor.

No witnesses available, pits impracticable.

Cor. No. 4 of HES 469 previously described bears S. 89° 42' E.

5.84 chs. distant.

Thence S. 0° 35' W.

Over open sage brush flat, fence inside of line.

.59 Fence bears E. NE and W. SW. SE Cor. pole corral bears West 10 lks.

12.37 Road, Tuba City -- Grand Canyon bears East and West.

31.90 Arroyo 20 lks. wide 8 ft. deep course NW.

39.98 To Cor. No. 4.

Deposit a limestone 4x4x2 ins. marked with a + 14 ins. in ground over which set a limestone 18x8x12 ins. (no longer stone available) marked + on top for point and 4 HES 644 on NW face: raise a mound of stone 2 ft. base 1 1/2 ft. high NW of Cor. whence:

Juniper 14 ins. dia. bears S. 49° 17' W. 210 lks.

Juniper 20 ins. dia. bears S. 33° 23' W. 111 lks.

Each marked 4 HES 644+BT

March 30, 1926

March 31, 1926.

Thence N. 89° 38' W.

Through scattering pinon and juniper.

.12 Fence bears N. 30° and S. 30° W.

5.00 Enter open sage brush flat.

20.10 Fence bears N. and S. Enter pinon and juniper.

36.90 Begin descent of rocky W. slope.

39.50 Bottom descent, thence over bottom land.

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

AREA

Total area

159.89 acres

Chains

IMPROVEMENTS

The improvements made upon this claim and belonging to the claimant, consist of the following:

A log blacksmith shop 14x14x ft. facing E. NE. the SE. Cor. of which bears from Cor. No. 1 N. 29° 15' E. 23.75 chs.

Value - - - - - \$150.00

A frame house 14x32 ft. the long sides extending N & S, the E. Cor. of which bears N. 26° 23' E. 24.21 chs. from Cor. No. 1.

Value - - - - - \$800.00

A Dugout cellar 14x14 ft. facing NE., the E. Cor. of which bears N. 26° 32' E. 23.93 chs. from Cor. No. 1.

Value - - - - - \$150.00

An earth dam 14 ft. deep, 150 ft. long and 10 ft. wide on top.

The dam extends NW & SE. Center bears N. 30° 32' E. 17.67 chs. from Cor. No. 1

Value - - - - - \$500.00

Approximately 2½ miles of wire fencing mostly inside of claim.

Value - - - - - \$300.00

DESCRIPTION

This claim is situated in Shad Park, a tributary of the Coconino Basin and is comprised mainly of sage brush flat. The soil is a light sandy loam of good depth.

Approximately 100 acres of the area is suitable for agricultural purposes, of which about 25 acres show signs of having been under cultivation in the past few years. There is no water on the claim, and dry farming methods must be relied upon to grow crops.

Water for domestic use is obtained from a cistern near the house.

There is a small amount of juniper and pinon in the SW portion, and a fairly heavy stand of pinon and juniper along the west boundary, but owing to the distance from market it has no commercial value.

I saw no evidence of mineral on the claim.

Chains

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. ~~LES~~ 469 (accepted) adjoins this claim on the north.

Grand Canyon, Arizona, the nearest post office and market point lies about 20 miles distant in a westerly direction and is reached by good road.

The strip, mentioned in the special instructions to be excepted through this tract for road right of way is not required for the protection of government interests, therefore the strip for the road right of way was not excluded from the area.

Survey completed March 31, 1926.

Thomas J. Myers
Chief, Surveyor.

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. 644, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
TIE COR. NO. 1 to COR. SECS. 7, 8, 17 & 18 T. 29 N., R. 6 E.									
	N. 0° 32' E.	39.98	39 98		37				
	S. 4° 17' 25" W.	114.29		113 97		8 55			
			39 98	113 97	37	8 55			
				39 98		37			
				73 99		8 18			
	Resultant Course S. 6° 18' 30" W.	74.44 chs.							

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818	828	838	848	858	868	878	888	898	908
818	828	838	848	858	868	878	888	898	908

818 828 838 848 858 868 878 888 898 908

818 828 838 848 858 868 878 888 898 908

818 828 838 848 858 868 878 888 898 908

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 644, STATE OF ARIZONA

R-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1 - 2	N. 0° 32' E.	39.98	39 ⁹⁷ 98		37		37	14 79			
2 - 3	S 89° 42' E	40.00		21 ²³	40 00		40 75			9 87	
3 - 4	S. 0° 35' W.	39.98		39 98 ²⁵		41	80 35			3213 20	
4 - 1.	N. 89° 38' W.	39.98	26			39 98 ²⁶	39 97	9 99			
		159.94	40 24 ²	40 19 ²²	40 37 ⁸	40 39 ⁸		24 78		3222 57	
			40 19			40 37				24 78	
			05							20)3197 79	
Error in lat. & Dep. Closing Error 1/2970											159 89 Acres

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APPROVAL

PUBLIC SURVEY OFFICE


~~Office of the United States Surveyor General,~~

Phoenix, Arizona, November 18, 1926

The foregoing field notes of Homestead Entry Survey No.

644

executed by **Thomas F. Myers, Chief Surveyor,** [Forest Service Title]
under his special instructions, dated **September 18**, 1925, 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.~~
Office Cadastral Engineer

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.

John D. Adams
~~U. S. Surveyor General.~~
Office Cadastral Engineer

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Office of the United States Attorney
District of Columbia
Washington, D.C.

Dear Sir:

Reference is made to your letter of the 10th instant, in which you request that the Department be advised of the results of the investigation conducted by you into the matter of the alleged violation of the provisions of the Espionage Act, Chapter 118, Title 18, United States Code, by the late [Name], who was a resident of the District of Columbia and a member of the [Organization].

Very truly yours,
[Signature]