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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

NOV 23 1920
DEC - 8 1919
APR 17 1920
APR 22 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 548

SITUATED IN THE SITGREAVES NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 35 , unsurveyed, Township 12 N., Range 17 E.

of the

GILA AND SALT RIVER BASE & Meridian.

State of

ARIZONA

Applicant for listing	L. B. Turley
Residence	Heber, Arizona
Application No. 633	, dated December 20 , 1916
List No. 3-3968	, dated February 16 , 1917

Applicant for survey	Lowell Barr Turley,
Residence	Heber, Arizona.
H. E. No. 035923	, dated August 3 , 1917
Land District	Phoenix Office, Phoenix, Arizona.

Survey executed by	Frank D. Yost, Surveyor - Forest Service,
Under special instructions dated	February 15, , 1918.
Survey commenced	July 13 , 1919
Survey completed	July 15 , 1919.
Under Acts of	June 11, 1906, and July 24, , 1919

OATH OF ASSISTANTS

We hereby certify that we assisted
Surveyor - Forest Service,
[Forest Service Title.]

Frank D. Yost,
in surveying all those

parts or portions of Homestead Entry Survey No. **548**, 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.

H. E. Brandebury

Chairman

H. H. Longfellow

Chairman

Subscribed and sworn to before me this **Sixth** day of
August, 19**19**.

Frank D. Yost

Surveyor - Forest Service,

OATH OF SURVEYOR

I, **Frank D. Yost,** **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
February 15, 19**18**, 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. 3-3968, dated February 16, 1917, and a tract
of unlisted land upon the application of L. B. Turley,

Application, No. **633**, dated **December 20, 1916**, for
Listing and Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **548**,
situated within the **SITGREAVES** National Forest, in
unsurveyed Section 35, Township **12 N.**, Range **17 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.

Frank D. Yost

Surveyor - Forest Service,
[Forest Service Title.]

Subscribed and sworn to before me this **Fifth** day of
November, 19**19**.

Ethel G. Myers

Notary Public,



8-2349

My commission expires **March 17, 1921.**

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, L. B. Turley; Application No. 633, dated December 20, 1916; List No. 3-3968, dated February 16, 1917; H. E. 035923 made in the Phoenix Land Office on August 3, 1917, by Lowell Barr Turley. Also a tract of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry. This is therefore a composite survey.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 15, 1918, and designated as Homestead Entry Survey No. 548.

Situated in what will probably be when surveyed Sec. 35, T. 12 N., R. 17 E., Gila and Salt River Base and Meridian, Sitgreaves National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and July 24, 1919.

Survey commenced July 13, 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.

All courses of this survey were deflected from the meridian established by me at Cor. No. 5 of H.E.S. 549 by direct solar obsn. on July 12, 1919, in connection with the survey of H.E.S. 549.

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

RETRACEMENTS

July 14, 1919.

From the Cor. of Ts. 11 and 12 N., Rs. 17 and 18 E., a sandstone 8 x 4 x 9 ins. above ground, marked with 6 notches on N., S., E. and W. edges, with mound of stone 3 ft. base, 2 ft. high, N. of cor., whence from cor.:

A yellow pine 12 ins. dia., brs. N. 32° 15' E.,
67 lks. dist., blazed and scribed

T 12 N R 18 E S 31 B T

A yellow pine 8 ins. dia., brs. S. 58° 30' E.,
28 lks. dist., blazed and scribed

T. 11 N R 18 E S 6 B T

A yellow pine 8 ins. dia., brs. S. 86° W.,
37 lks. dist., blazed and scribed

T 11 N. R 17 E S 1 B T

A yellow pine 22 ins. dia., brs. N. 50° W.,
84 lks. dist., blazed and scribed

T 12 N R 17 E S 36 B T

(Note: This cor. was restored by Forest Service Surveyor R.P.A. Johnson on August 3, 1916, in connection with the survey of H. E. S. 452.)

Thence North,

Retracing line bet. Secs. 31 and 36, S/2.

40.04 Fall 23 lks. E. of 1/4 Sec. cor. bet. Secs. 31 and 36., a porphyry stone 12 x 4 x 7 ins. above ground, mkd. 1/4 on W. face, with mound of stone West of cor., witnessed as described by the Surveyor General.

True line is N. 0° 20' W., 40.04 chs.

Thence North,

Retracing line bet. Secs. 31 and 36, N/2.

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains
41.21

Fall 73 lks. E. of cor. of Secs. 25, 30, 31 and 36, a sandstone 8 x 6 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.
True line is N. 1° 01' W., 41.22 chs.

July 14, 1919.

BOUNDARIES OF CLAIM

July 13, 1919.

Beginning at Cor. No. 1, which is also Cor. No. 3 of H. E. S. 549.

Identical with Cor. H-1 of List 3-3968 and Cor. H-4 of List 3-4023, which is a cobble rock 10 x 7 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a sandstone 5 x 4 x 2 ins. marked with a + 18 ins. in the ground, on solid rock, over which set an iron post 36 ins. long, 2 ins. dia., with brass cap marked 1919 on S. rim, 1 H E S 548 in SW. quadrant, and 3 H E S 549 in East half, surrounded by a mound of stone 2-1/2 ft. base, 18 ins. high, whence:

A cedar 12 ins. dia., brs. N. 7° 47' E.,
575 lks. dist.

A cedar 14 ins. dia., brs. N. 20° 10' W.,
422 lks. dist.

Each blazed and scribed 1 H E S 548 - 4 H E S
549 + B T

The 1/4 cor. bet. Secs. 31 and 36, T. 12 N.,
Rs. 17 and 18 E., heretofore described,
brs. S. 81° 16' 40" E., 101.95 chs. dist.
by traverse which appears at the end of
these notes.

Lat. 34° 23' 53" N., Long. 110° 31' 12" W., from special instructions of Surveyor General and later verified.

Chains Magnetic declination at 8 a.m. is $14^{\circ} 30' E.$ Mean
Magnetic declination, $14^{\circ} 26' E.$

Thence S. $12^{\circ} 05' W.$

Along line 3-2 of H. E. S. 549, over level bottom land,
fence on line.

12.37 Cor. wire fence, fence bears NW., N. $12^{\circ} 05' E.$ and
S. $12^{\circ} 05' W.$ along line. Cultivated land on West.

49.82 Cor. H-5 of the list survey, which is a cobble rock 10 x
8 x 6 ins. above ground, marked and witnessed as de-
scribed by the Forest Service. I destroy all trace of
this list cor. Cor. of wire fence; fence brs. NW.,
N. $12^{\circ} 05' E.$ and S. $12^{\circ} 05' W.$ along line. Leave
cultivated land on West.

54.23 To Cor. No. 2, which is also Cor. No. 2 of H. E. S. 549.
Identical with Cor. H-3 of List 3-4023, which is a
cobble rock 6 x 5 x 4 ins. above ground, marked and
witnessed as described by the Forest Service. I de-
stroy all trace of this list cor.

Deposit a sandstone 4 x 3 x 2 ins. marked with a + 24
ins. in the ground, over which set an iron post 36 ins.
long, 2 ins. dia., with brass cap marked 1919 on S. rim,
2 H E S 548 in NW. quadrant and 2 H E S 549 in NE.
quadrant; raise mounds of stone 3 ft. base, 2 ft. high,
NW. and NE. of cor., whence:

A juniper 7 ins. dia., brs. N. $87^{\circ} 09' E.,$
90 lks. dist.

A juniper 12 ins. dia., brs. S. $4^{\circ} 01' W.,$
77 lks. dist.

Each blazed and scribed 2 H E S 548 - 2 H E S
549 + B T

Cor. No. 4 of H.E.S. 452, a sandstone 16 x 8 x
10 ins. above ground, marked + on top and
4 H E S 452 on SE. face, with mound of stone

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STATE OF ARIZONA

Chains

SE., brs. S. $85^{\circ} 07' 35''$ E., 26.84 chs.
dist. by traverse, which appears at the
end of these notes.

July 13, 1919.

July 15, 1919.

Thence N. $51^{\circ} 04'$ W.

Ascend 10 ft., over grassy NE. slope, thru juniper,
cedar and oak, over unlisted land.

40.99

To Cor. No. 3.

Deposit a sandstone 3 x 2 x 2 ins. marked with a + 26
ins. in the ground, over which set an iron post 36 ins.
long, 2 ins. dia., marked 1919 on S. rim and S H E S
548 in portion of circle facing claim; raise a mound of
stone 3 ft. base, 2 ft. high, NE. of cor., whence:

A cedar 8 ins. dia., brs. N. $70^{\circ} 10'$ E.,
292 lks. dist.

A cedar 4 ins. dia., brs. N. $40^{\circ} 07'$ W.,
205 lks. dist.

Each blazed and scribed S H E S 548 + B T
Cor. H-4 of the list survey, which is a
cobble rock 8 x 5 x 2 ins. above ground,
marked and witnessed as described by the
Forest Service, brs. N. $77^{\circ} 41'$ E., 14.07
chs. dist. I destroy all trace of this
list cor.

Thence N. $0^{\circ} 42'$ W.

Over level grassy land,

3.02

Cor. H-3 of the list survey, which is a cobble rock
9 x 8 x 3 ins. above ground, marked and witnessed as
described by the Forest Service. I destroy all trace
of this list cor.

Leave unlisted and enter listed land.

Cor. wire fence brs. East, 7 lks. dist., fences bear

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

East and North.

27.08

To Cor. No. 4.

Identical with Cor. H-2 of the list survey, which is a cobble rock 8 x 7 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a sandstone 4 x 2 x 2 ins. marked with a + 24 ins. in the ground, over which set an iron post 36 ins. long, 2 ins. dia., marked 1919 on S. rim and 4 H E S 548 in SE. quadrant; raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor., whence:

A cedar 14 ins. dia., brs. S. 89° 02' E.,

822 lks. dist.

A pine 20 ins. dia., brs. N. 31° 15' E.,

1335 lks. dist.

Each blazed and scribed 4 H E S 548 + B T

Corner of wire fence bears S. 35° 07' E.,

68 lks. dist., from which fences bear

South and East.

Thence N. 89° 47' E.

Over level grassy land, thru juniper, cedar and oak.

43.59

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

AREA

Listed Area, - - - - - 128.37 Acres.

Unlisted Area, - - - - - 29.82 Acres.

Total Area, - - - - - 158.19 Acres.

IMPROVEMENTS

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

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

A frame house 16 x 16 ft., the long sides extending N. and S., the NE. cor. of which bears S. 31° 30' W., 11.91 chs. dist. from Cor. No. 1.

Value - - - - - \$ 200.00

A frame barn 20 x 30 ft., the long sides extending N. 20° E. and S. 20° W., the E. cor. of which bears S. 14° 30' W., 9.17 chs. dist. from Cor. No. 1.

Value - - - - - \$ 150.00

Approximately 1-3/4 miles of wire fencing,

Value - - - - - \$ 250.00

An earth dam 6 ft. wide, 3 ft. high, 80 ft. long, extending in a semicircle from SE. to NW., the SE. end of which bears S. 12° 36' W., 12.40 chs. from Cor. No. 1.

Value - - - - - \$ 50.00

DESCRIPTION

The claim consists mainly of open level land, lying on the West side of a wide shallow draw, which drains North.

The soil is a rich dark loam, generally free from rocks, about 3 ft. deep with a red clay subsoil. Approximately 80 percent of the claim is suitable for agricultural purposes, of which about 60 acres were under cultivation at the time of survey. Dry farming methods are necessary to grow crops. The claimant has endeavored to conserve the surface water in an earth dam for stock watering purposes, but is unable to store enough for the whole year.

Water for domestic use is hauled from Pierce Seeps, which lie about one mile to the West.

SITGREAVES NATIONAL FOREST

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Chains - 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. H.E.S. 549 adjoins on the East; line 2-3 thereof being identical with line 1-2 of this survey.
H.E.S. No. 452 lies about 1/4 mile distant in a South-easterly direction; and H.E.S. No. 550 lies about 1/4 mile distant in a Westerly direction.
Heber, Arizona, the nearest settlement and postoffice, lies about six miles distant in a Northwesterly direction.
Holbrook, Arizona, the nearest railroad point lies about 50 miles distant in a Northeasterly direction and is reached by fair wagon road.

TRAVERSES

Course	Dist.	N.	S.	E.	W.
S. 12° 05' E.	54.23		53.03		11.35
N. 51° 04' W.	40.99	25.76			31.89
N. 40° 42' W.	27.08	27.08			.33
N. 89° 47' E.	43.59	.16		43.59	
	165.89	53.00	53.03	43.59	43.57
			53.00	43.57	
Error in Lat. and Dep.			.03	.02	

Closing Error, 1:4601

TIE FROM COR. NO. 1 TO THE 1/4 COR. BET. SECS. 31 AND 36, T. 12 N., Rs. 17 and 18 E.

Course	Dist.	N.	S.	E.	W.
N. 12° 21' E.	4.85	4.74		1.04	
N. 89° 06' E.	20.72	.53		20.72	
N. 84° 33' E.	42.32	4.02		42.13	
N. 15° 05' W.	16.43	15.86			4.28
S. 66° 47' E.	9.78		3.86	8.99	
N. 69° 05' E.	15.01	5.36		14.02	
N. 80° 48' E.	11.37	1.82		11.22	
S. 67° 53' E.	6.69		2.52	6.20	
S. 1° 01' E.	41.22		41.21	.73	
		32.13	47.59	105.05	4.28
			32.13	4.28	
			15.46	100.77	

Resultant course, S. 81° 16' 40" E., 101.95 chs.

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

TIE FROM COR. NO. 2 TO COR. NO. 4 OF H. E. S. NO. 452.

Course	Dist.	N.	S.	E.	W.
N. 89° 51' E.	33.55	.09		33.55	
S. 70° 51' W.	7.21		2.37		6.81
		.09	2.37	33.55	6.81
			.09	6.81	
Resultant course	S.85°07'35"E.	2.28		26.74	
	26.84 chs.				

Survey completed July 15, 1919.

Frank Dyot

Surveyor - Forest Service,

- 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. 548, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.				
		TRAVERSE OF LISTED AREA								
	S. 12-05 W.	49.82		48 72		10 43	76 72			3737 03
	N. 37-56 W.	31.00	24 45			19 05	47 22	1155 00		
	N. 89-55 W.	13.79	02			13 79	14 37		29	
	N. 0-42 W.	24.06	24 06			29	29	6 98		
	N. 89-47 E.	43.59	16		43 59		43 58	7 41		
		162.26	48 69	48 72	43 59	43 56		1169 68		3737 03
			48 71	48 71	43 58	43 58				1169 68
				48 69	43 56					20/2567 35
	Error in Lat. and Dep.	1/3827		03	03					128 37
	Closing Error	1/3827								Acres.

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- DIRECTIONS.—1. Carry out calculations to two decimals only.
 2. In balancing Latitudes and Departures do not obliterate or change the original figures.
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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 548, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.		
			NORTH.	SOUTH.	EAST.	WEST.							
1 - 2	S. 12-05 E.	54.23		53 03		11 35	75 80				4018 92		
2 - 3	N. 51-04 W.	40.99	25 76			31 89	32 55		838 81				
3 - 4	N. 0-42 W.	27.08	27 08			33	33		8 94				
4 - 1	N. 89-47 E.	43.59	16		43 59		43 58		7 41				
		165.89	53 00	53 03	43 59	43 57			855 16		4018 92		
			53 02	53 00	43 57	43 58					855 16		
	Error in Lat. and Dep.			03	02						20/ 3163 76		
	Closing Error, 1:4601										158 19		Acres.

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(Copy)

July 15, 1919.

I, Lowell Barr Turley, hereby agree to the survey of my homestead, number 548, as made on 15th day of July, 1919, by Forest Service Surveyor Frank D. Yost, and further agree that when notified that the survey has been approved and before attempting to make final proof on my entry, I will apply for amendment of the same to conform with said survey.

The changes made by the Surveyor are an
addition on the South and West of Agricultural
land, desired by me.

(Sgd.) L.B.Turley,

Claimant.

FOREST SERVICE

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 26, 1920

The foregoing field notes of Homestead Entry Survey No.

548

executed by *Frank D. Gost, Surveyor* [Forest Service Title.]
under his special instructions, dated *February 15*, 1918, having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

Frank P. Trott
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.