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F. S. D-3
DEC 5 1922
Referred to
DISTRICT FORESTER

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES ORIGINAL

OF

HOMESTEAD ENTRY SURVEY NO. 613

SITUATED IN THE TONTO NATIONAL FOREST
ADMINISTRATIVE DISTRICT NO. 3

JUN 5 1922
APR 11 1920

In Section 16 , un-surveyed, Township 10 N. , Range 9 E.
In Section 21, un-surveyed, Township 10 N. , Range 9 E.

of the

Gila & Salt River Base & Meridian.

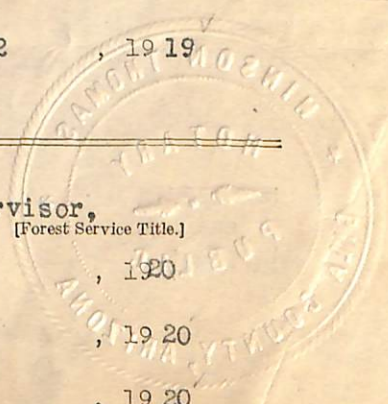
State of
Arizona.

Applicant for listing E. B. Simanton,
Residence Payson, Arizona.
Application No. 631 , dated August 6 , 19 17
List No. 3-4284 , dated March 4 , 19 19

Applicant for survey Edward B. Simanton,
Residence Payson, Arizona.
H. E. No. 041445 , dated April 2 , 19 19
Land District Office Phoenix, Arizona.

Survey executed by F. L. Kirby, Deputy Supervisor,
[Forest Service Title.]
Under special instructions dated March 6 , 1920
Survey commenced December 8 , 19 20
Survey completed December 9 , 19 20

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



OATH OF ASSISTANTS

We hereby certify that we assisted **F. L. Kirby, Deputy Supervisor,**
in surveying all those

[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **613**, 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 inconvenient and ex-
pensive to appear before
an officer to administer
Oath to assistant; hence
it was taken by the
Surveyor.

Arley B. Young

Chairman

Subscribed and sworn to before me this **9th** day of

December, 19 **20**.

F. L. Kirby

Deputy Supervisor.

OATH OF SURVEYOR

I, **F. L. Kirby, Deputy 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, 1920, 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 3-4284, dated **March 4, 1919**, and a tract of land
upon the application of **E. B. Simanton**

Application, No. **651**, dated **August 6**, 1917, for
Listing and Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **613**,
situated within the **Tonto** National Forest, in
un-surveyed Section **16**, Township **10 N.**, Range **9 E.**, and
un-surveyed Section **21**, Township **10 N.**, Range **9 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
survey.

F. L. Kirby

Deputy Supervisor

[Forest Service Title.]

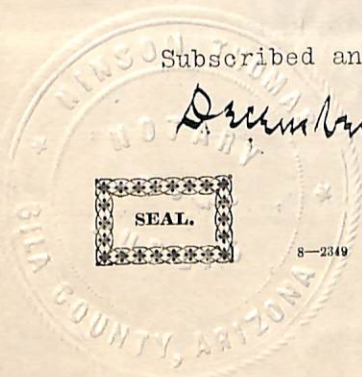
Subscribed and sworn to before me this **twenty sixth** day of

December, 19 **22**.

Simson Thomas

Notary Public

My com. expires 2/21/1924



Chains Applicant for listing, E. B. Simanton; Application No. 631, dated August 6, 1917; List No. 3-4284, dated March 4, 1919; H. E. 041445, made in the Phoenix Land Office on April 2, 1919, by Edward B. Simanton. 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 No. 041445.

This is therefore a composite survey.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 6, 1920, and designated as Homestead Entry Survey No. 613.

Situated in what will probably be when surveyed Secs. 16 and 21, T. 10 N., R. 9 E., Gila and Salt River Base and Meridian, Tonto National Forest, Arizona.

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

Survey commenced December 8, 1920, and executed with an A. Lietz transit No. 6384, equipped with Siegmuller 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.

December 8, 1920.

At my station, which is approximately S. 42°40' E. 32.18 chs. distant from Cor. No. 1, in Latitude 34°13'18" N., Longitude 111°27'16" W., from Forest Service Base Map, I observe Polaris at western elongation at 2 h. 24 m. a.m., l.m.t., telescope

Chains direct, reading an angle of $19^{\circ}33'00''$. Reference mark east of star.

At same station at 2h. 28m. a.m., l.m.t., telescope reversed, I again observe Polaris, reading an angle of $19^{\circ}32'30''$.

Mean angle star to reference mark $19^{\circ}32'45''$

Azimuth of Polaris at elong. $1^{\circ}20'45''$

Bearing of reference mark North $18^{\circ}12'00''$ E.

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

December 8, 1920.

BOUNDARIES OF CLAIM

December 8, 1920.

Beginning at Cor. No. 1.

Deposit a limestone $2x6x6$ ins., marked with a + 26 ins. in the ground, over which set an iron post 2 ins. dia. 36 ins. long, with brass cap, marked 1920 on S. rim and 1 HES 613 in quadrant facing claim; raise a mound of stone 2 ft. base $1\text{-}1/2$ ft. high SE. of Cor., whence:

A hackberry tree 36 ins. dia. brs. S. $39^{\circ}30'$ E.
104 lks. dist.

A hackberry tree 6 ins. dia. brs. N. $57^{\circ}50'$ W.
32 lks. dist.

Each blazed and scribed 1 HES 613 + BT.

U.S.L.M. No. 131 HES. a limestone ledge in place showing $1/2x3x4$ ft. above ground, chiseled + USLM No 131 HES on top, with mound of stone 6 ft. base, 4 ft. high alongside, bears N. $86^{\circ}58'$ W. 151.39 chs. by direct measurement.

Cor. No. 4 of HES. 140, a limestone boulder $3x4x2$ ft. above ground, chiseled + on top and HES

Chains 140 on WNW. face, bears N. 16°07' E. 23.49 chs. by direct measurement.

Cor. H/1 of the list survey, which is a limestone 5x10x16 ins. in mound of stone, marked and witnessed as described by the Forest Service, bears N. 4°22' E. 16.36 chs. I destroy all trace of this list Cor.

Latitude 34°13'33" N., Longitude 111°27'33" W. from Forest Service Base Map.

The magnetic declination at 9 a.m. is 15°00' E., which corrected for diurnal change gives a mean magnetic declination of 14°58' E.

Thence S. 79°20' E. 5.00 Dry Wash, 25 lks. wide, 2 ft. deep, course North.

Thence over level land to base of hill.

6.50 Begin ascent of 65 ft. to edge of mesa.

14.60 Cor. H/8 of the list survey, which is a granite stone 4x12x8 ins. above ground, marked and witnessed as described by the Forest Service, bears N. 9°10' E. 15.00 chs. I destroy all trace of this list Cor.

Cor. H/7 of the list survey, which is a granite stone 4x10x6 ins. above ground, marked and witnessed as described by the Forest Service bears S. 49°10' W. 18.65 chs. I destroy all trace of this list Cor.

Leave listed and enter unlisted land.

20.00 Top of mesa, thence across level flat mesa.

22.00 Begin descent of 20 ft.

23.50 Bottom of descent, thence across level land.

26.10 To Cor. No. 2. Deposit a dacite stone 3x3x6 ins. marked with a + 26 ins. in the ground, over which set an iron post 2 ins. dia. 36 ins. long, with brass cap stamped 1920 on S. rim and 2 HES 613 in quadrant facing the claim; raise

4.

Chains . a mound of stone 2 ft. base 1-1/2 ft. high S. of Cor.,
whence:

A hackberry tree 6 ins. dia. brs. N. 49°06' W.
14 lks. dist.

A hackberry tree 12 ins. dia. brs. S. 30°15' E.
70 lks. dist.

Each blazed and scribed 2 HES 613 + BT.

December 8, 1920.

December 9, 1920.

Thence S. 42°38' E.

Over level land, fence on line.

1.30 Cor. H/5 of the list survey, which is a granite stone
3x10x6 ins. above ground, marked and witnessed as de-
scribed by the Forest Service. I destroy all trace of
this list Cor.

Cor. H/6 of the list survey, which is a granite stone
5x10x10 ins. above ground, marked and witnessed as
described by the Forest Service, bears S. 33°30' W.
18.35 chs. I destroy all trace of this list Cor.

Leave unlisted and enter listed land.

9.30 Cor. fence, fences bear N. 42°38' W., N. 25°40' E. and
S. 25°40' W.

9.65 Road in center of lane, bears S. 25°40' W. and N. 25°
40' E.

9.95 Cor. fence, fences bear S. 25°40' W. and S. 42°38' E.

11.55 To Cor. No. 3, at Cor. of fence. Fences bear S. and
N. 42°38' W.

Identical with Cor. H/4 of the list survey, which is a
granite stone .8x12x8 ins. above ground, marked and
witnessed as described by the Forest Service. I destroy
all trace of this list Cor.

Deposit a diabase stone 2x3x6 ins., marked with a + 26

Chains

ins. in the ground, over which set an iron post 2 ins. dia. 36 ins. long, with brass cap, stamped 1920 on S. rim and 3 HES 613 in quadrant facing claim; raise a mound of stone 2 ft. base 1-1/2 ft. high W. of Cor., whence:

An oak 6 ins. dia. brs. N. 47°40' W. 147 lks. dist.

A catclaw 12 ins. dia. brs. S. 81°36' W. 312 lks. dist.

Each blazed and scribed 3 HES 613 + BT.

Thence S. 0°24' E.

Over level land, fence along line inside of claim.

39.75 Arroyo 20 lks. wide, 10 ft. deep, course N. 45° W.

40.40 To Cor. No. 4, at Cor. of fence. Fences bear N. 0°24' W. and N. 81°30' W.

Identical with Cor. H/3 of the list survey, which is a limestone 6x8x10 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list Cor.

Deposit a limestone 3x4x6 ins., marked with a + 26 ins. in the ground, over which set an iron post 2 ins. dia. 36 ins. long with brass cap, stamped 1920 on S. rim and 4 HES 613 in quadrant facing claim; raise a mound of stone 2 ft. base 1-1/2 ft. high NW. of Cor., whence:

A hackberry tree 14 ins. dia. brs. S. 20°20' E. 301 lks. dist.

A hackberry tree 6 ins. dia. brs. S. 43°36' W. 172 lks. dist.

Each blazed and scribed 4 HES 613 + BT.

Thence N. 75°14' W.

Descend gradually 20 ft. over gentle W. slope.

.03 Fence, bears N. 81°30' W.

Chains

31.50 Fence bears N. 33° W. and S. 33° E.
 34.50 Begin ascent of 50 ft. over E. slope.
 38.50 To Cor. No. 5.
 Deposit a limestone 3x4x6 ins., marked with a + 26 ins. in the ground, over which set an iron post 2 ins. dia. 36 ins. long, with brass cap stamped 1920 on S. rim and 5 HES 613 in quadrant facing claim; raise a mound of stone 2 ft. base 1-1/2 ft. high NE. of Cor., whence:
 An oak 6 ins. dia. brs. N. 77°35' E. 195 lks. dist., blazed and scribed 5 HES 613 + BT.
 No other witnesses available, pits impracticable.
 Cor. H/2 of the list survey, which is a granite stone 3x4x12 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 4°30' W. 1.42 chs. I destroy all trace of this list Cor.

Thence N. 4°32' E.
 Descend 50 ft. over W. slope.
 7.10 Bottom of descent, thence over level land.
 19.54 Road bears N. 66°30' W. and S. 66°30' E.
 19.80 Fence, bears N. 66°30' W. and S. 66°30' E.
 Descend 20 ft. over gentle E. slope.
 44.05 To Cor. No. 1, the place of beginning.

AREA

Listed Area - - - - -	15.94 Acres
Unlisted Area - - - - -	<u>143.96 "</u>
Total Area - - - - -	159.90 Acres

IMPROVEMENTS

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

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

A lumber dwelling house 26x38 ft., divided into four rooms, with two porches attached; in addition to the four rooms, the house has a bath room and pantry, and an underground cellar 12x14 ft., with stone walls and concrete floor. The dwelling is new and well made. Its cost and value is \$1500.00. The long side of it extends N. 55° W. and S. 55° E., and the N. Cor. of it bears S. 10°15' W. 24.25 chs. from Cor. No. 2.

Value - - - - - \$1500.00

A barn and shed, 12x40 ft., made of lumber frame covered with corrugated iron roofing; the long side of which extends E. and W., and the NE. Cor. of which bears S. 14°30' W. 22.35 chs. from Cor. No. 2.

Value - - - - - \$ 120.00

A well 80 ft. deep, bears S. 10°10' W. 23.00 chs. dist. from Cor. No. 3.

Value - - - - - \$ 240.00

Approximately 866 rods of fence, of barbed wire, and posts.

Value - - - - - \$ 500.00

GENERAL DESCRIPTION

The claim is situated in an open flat basin and is surrounded by low hills. The drainage is north, into the East Verde River.

The elevation is approximately 4200 ft. The agricultural portion, comprising about 90 acres, is a rich, sandy loam and is adapted to the raising of practically all local crops. Approximately 55 acres were cleared and in cultivation at the time of this survey.

Water for domestic purposes is obtained from the well.

There is no timber of any value whatever on the claim.

There are no indications of any mineral upon the claim.

Chains

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

H.E.S. No. 140 lies about 1/4 mile NW. of the claim.

Payson, Arizona, the nearest postoffice and trading point, lies about 7 miles distant in a northeasterly direction, and is reached by fair wagon road.

The most accessible railroad point is Globe, Arizona, which is about 105 miles distant by road in a southeasterly direction.

TRAVERSES

Traverse of Claim

Course	Dist.	N.	S.	E.	W.
S. 79°20' E.	26.10		4.83	25.65	
S. 42°38' E.	11.55		8.50	7.82	
S. 0°24' E.	40.40		40.40		
N. 75°14' W.	38.50	9.81			37.23
N. 4°32' E.	44.05	43.91		3.48	
	160.60	53.72	53.73	37.23	37.23
			53.72	37.23	
Error in Lat. & Dep.			01	00	

Closing error 1/16060

Unlisted Area.

Course	Dist.	N.	S.	E.	W.
S. 9°10' W.	18.65		18.41		2.97
East	5.00			5.00	
N. 33°30' E.	18.35	15.30		10.13	
N. 42°38' W.	1.30	.96			.88
N. 79°20' W.	11.50	2.13			11.30
	54.80	18.39	18.41	15.13	15.14
			18.39		15.13
Error in Lat. & Dep.			.02		.01

Closing error 1/1936

Survey completed December 9, 1920.

F. Kirby
Deputy Supervisor.

C O P Y

I, E. B. Simanton, hereby agree to the survey of my homestead, number 613, as made on December 8 and 9⁰, 1920, by Deputy Supervisor F. L. Kirby, 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 same to conform with said survey.

The changes made by the surveyor are readjustment of the lines to conform more closely with the areas of cultivated land.

(Sgd.) E. B. Simanton,
Claimant.

(Sgd.) John McCormick,
Witness.

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. 613, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1 - 2	S. 79°20' E.	26.10		4 83	25 65		32 61			157 51	
2 - 3	S. 42°38' E.	11.55		8 50	7 82		66 08			561 68	
3 - 4	S. 0°24' E.	40.40		40 40	28		74 18			29 96 87	
4 - 5	N. 75°14' W.	38.50	9 81			37 23	37 23	365 23			
5 - 1	N. 4°32' E.	44.05	43 91		3 48		3 48	152 84			
		160.60	53 72	53 73	37 23	37 23		518 07		3716 06	
			53 73	53 72	37 23	37 23				518 07	
Error in Lat. & Dep.				01	00					20/3197 99	
		Closing error 1/16060		53 73	37 23					159 90	acres
				Unlisted Area							
	S. 9°10' W.	18.65		18 41		2 97	2 96			54 46	
	East	5.00			5 00		5 00				
	N. 33°30' E.	18.35	15 30		10 13		20 14	308 34			
	N. 42°38' W.	1.30	96			88	29 40	28 22			
	N. 79°20' W.	11.50	2 13			11 30	17 22	36 68			
		54.80	18 39	18 41	15 13	15 15		373 24		54 46	
				18 39		15 13		54 46			
Error in Lat. & Dep.				02		02		20/318 78			
		Closing error 1/1936						15 94			

	N	E	W	7-618 to 4-140
N 16° 07' E	23.49	22.57	26.98	line 4-5
S 65° 57' W	29.54	12.04	24.12	5-6
S 85° 50' W	24.18	1.74	25.81	6-7
S 55° 59' W	30.53	17.08	3.98	7-1
N 41° 18' W	5.13	8.86	77.50	1-451m
N 81° 05' W	78.45	12.17		451m - 1-618
S 86° 58' E	151.39	8.01	151.18	
	38.60	38.89	157.70	137.29
Error	.29			.41

Tile w. line of 1683.140

118A

APPROVAL.

Office of the United States Surveyor General,

Phoenix, Arizona, May 26 , 1923

The foregoing field notes of Homestead Entry Survey No.

613

executed by F. L. Kirby, Deputy 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.

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.