

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

OCT-26 1916
OCT-2 1916
NOV-30 1915

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 237

SITUATED IN THE

APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Approximately
Section 3, un surveyed, Township 3 S., Range 31 E.

Section 4, unsurveyed, Township 3 S., Range 31 E.

Section 33, unsurveyed, Township 2 S., Range 31 E.

Section 34, unsurveyed, Township 2 S., Range 31 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA.

Survey executed by Lee C. Daves, Surveyor-Forest Service.

Under special instructions dated August 6, 1914.

Survey commenced December 30, 1914.

Survey completed December 31, 1914.

Under Acts of June 11, 1906 and June 30, 1914.

Applicant for listing Adam Sliger,

Residence Clifton, Arizona.

Application No. 242, dated August 22, 1912.

List No. 3-2468, dated April 12, 1913.

Applicant for survey Adam Sliger,

Residence Clifton, Arizona.

H. E. No. 024620, dated April 25, 1914.

Office
Land district Phoenix, Arizona.

1.2

OATH OF ASSISTANTS

We hereby certify that we assisted Lee C. Daves, Surveyor-Forest Service, in surveying all those parts or portions of Homestead Entry Survey No. 237, in un surveyed Section 3, Township 3 S., Range 31 E., un surveyed Section 4, Township 3 S., Range 31 E., un surveyed Section 33, Township 2 S., Range 31 E., un surveyed Section 34, Township 2 S., Range 31 E. of the G. & S. R. B. & meridian, 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 Arizona.

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.

Subscribed and sworn to before me this 6th day of February, 1915.

Lee C. Daves, Surveyor-Forest Service.

OATH OF SURVEYOR

I, Lee C. Daves, Surveyor-Forest Service, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated August 6, 1914, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land upon the application of embraced in List No. 3-2468, dated April 12, 1913, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 237, situated within the Apache National Forest, in un surveyed Section 3, Township 3 S., Range 31 E., and un surveyed Section 4, Township 3 S., Range 31 E., and un surveyed Section 33, Township 2 S., Range 31 E., and un surveyed Section 34, Township 2 S., Range 31 E. of the G. & S. R. B. & 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.

Lee Daves, Surveyor-Forest Service

Subscribed and sworn to before me this 13th day of February, 1915.

H. S. Gaston, Notary Public, My Commission Expires Jan. 24, 1916



APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Adam Sliger; Application No. 242, dated August 22, 1912; List No. 3-2468, dated April 12, 1913; H. E. No. 024620, made at Phoenix, Arizona, by Adam Sliger, dated April 25, 1914.

Surveyed under special instructions from the Surveyor General for Arizona, dated August 6, 1914, and designated as Homestead Entry Survey No. 237.

Situated in unsurveyed Ts. 2 and 3 S., R. 31 E., in what will probably be secs. 3, 4, 33 and 34, Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and June 30, 1914.

Survey commenced December 30, 1914 and executed with a Buff and Buff transit No. 9702.

Preliminary to beginning the survey, I examine and correct the adjustments of the transit.

No stadia used.

Horizontal measurements made with a 500 link steel tape directly on the slopes, which were determined by clinometers.

December 30, 1914.

At camp on N. bdy. of this claim, just West of cor. No. 1, Lat. $33^{\circ} 12'.5$ N., by observation, Long. $109^{\circ} 09'$ W., from U. S. G. S. advance topographic sheet, at 12h. 54m. a.m., l.m.t., I observe Polaris at Western Elongation and mark the direction thus determined by a tack in a stake firmly set in the ground about 10 chs. Northwardly of my station.

At 8h. 30m. a.m., I turn off the azimuth of Polaris $1^{\circ} 22'$ to the East and mark the meridian thus determined by a tack in a stake East of the point established last night.

On this meridian I test the solar apparatus as follows:
Chains
December 30, 1914.

At 9h. 00m. a.m., local apparent time, I set off $33^{\circ} 12'.5$ on lat. arc, $23^{\circ} 10'$ on decl. arc, and determine a meridian with the solar, which agrees within less than one minute of the meridian as established by Polaris obsn., above described.

December 30, 1914.

At the above station I set off $23^{\circ} 10'$ S. on decl. arc and at local apparent noon observe the sun on the meridian. The resulting latitude is $33^{\circ} 12'.5$.

December 30, 1914.

At 3h. 00m. p.m., local apparent time, I set off $33^{\circ} 12'.5$ on lat. arc, $23^{\circ} 09'$ S. on decl. arc, and determine a meridian with the solar. This meridian falls 0.3 ins. E. of the meridian as established by Polaris.

December 31, 1914.

At the above described station at 12h. 50m. a.m., l.m.t., I observe Polaris at Western elongation and mark the direction thus determined by a tack in a stake about 9.50 chs. Northwardly of my station.

December 31, 1914.

At 8:00 a.m., I turn off the azimuth of Polaris $1^{\circ} 22'$ to the East and mark the meridian thus determined on the same stake as before. The difference between these two observations is one-quarter of an inch, which is less than the probable errors of observations.

HOMESTEAD ENTRY SURVEY NO. 237

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

The solar defines the meridian by a.m. and p.m. obsns. within less than one minute of that by Polaris. I therefore conclude the adjustments to be satisfactory.

There being no public corners within two miles of this claim I establish U. S. L. M. No. 237 H. E. S. by cutting a cross (+) on solid rock on the South side of a red sandstone column which stands on the South bank of the San Francisco River, and is itself a natural monument. Over the cross set a granite stone 25 x 20 x 7 ins. in a mound of stones, marked U S L M 237 H E S on S. face. This monument is about 10 ft. North of the center of the center line of a tunnel cut under this rock for an acequia.

No trees or other bearings available.

From this U. S. L. M. No. 237 H. E. S., the cor. of Ts. 2 and 3 S., Rs. 30 and 31 E., G. & S. R. B. & M. bears S. 85° 28' W., 2 miles and 72.40 chs. dist., by direct measurement.

December 31, 1914.

At 8h. Om., a.m. local apparent time, I set off 33° 12'.5 on lat. arc 23° 05' S. on decl. arc, and determine a meridian with the solar at cor. No. 1 of this survey, which I establish as follows:

Cor. No. 1.

Identical with cor. No. 1 of list survey. I destroy the marks F. S. M. H. and above the cross (+) cut 1-HES237 on the N. face of a rock column 100 ft. in dia. and 50 ft. high, which rises from the edge of the water on S. bank of the San Francisco River. The cross, etc. is about 5-1/2 ft. above the edge of the water.

Chains	<p>No trees or other bearings available on this side of the river.</p> <p>From this cor. the U. S. L. M. No. 237 H. E. S. bears S. 10° 47' E., 107 lks. dist.</p> <p>Lat. 33° 12'.5 and Long. 109° 09' W., from U. S. G. S. advance Topographic Sheet.</p> <p>At this cor. at 8:00 a.m. the mag. decl. is 13° 50' E. which gives the mean mag. decl. as 13° 49' E.</p>
	<p>From cor. No. 1 of this survey, Thence S. 50° 00' E.</p> <p>Along left bank of San Francisco River, up stream through scattering trees.</p>
1.88	Acequia, 10 lks. wide, course W.
4.45	On rock point 10 ft. above river bank.
4.64	Same acequia, 10 lks. wide, course N.
6.27	To N. edge of same acequia at bend from SE. course N. 80° W.
10.06	Acequia (same), course N. 70° W.
20.00	To cor. No. 2.
	<p>Identical with list cor. No. 2, which is a granite stone 12 x 6 x 4 ins., marked and witnessed as described by the Forest Service. I destroy all trace of list cor. and at this point deposit small stone marked with a cross 16 ins. in ground, over which I set a malpais stone 24 x 16 x 8 ins., marked 2-HES237 on SW. face and + on top, from which:</p> <p>A sycamore 14 ins. dia., bears N. 83° E., 26 lks. dist., marked 2 H E S 237 B T.</p> <p>A box elder 8 ins. dia., bears S. 31° E., 107 lks. dist., marked 2 H E S 237 B T.</p> <p>A hackberry 12 ins. dia., bears S. 65° 45' W., 157 lks. dist., marked 2 H E S 237 B T.</p>

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

The head-gate of acequia bears N. 22° 45' W.,

171 lks. dist.

Raise a mound of stone, 3 ft. base, 2-1/2 ft. high

SW. of cor.

Thence South.

Over level river bottom, through scattering trees.

2.00 Leave level land and ascend rocky point NE. and SW.

6.00 Cross spur ridge 60 ft. above river bottom which bears

N. 30° E. and S. 30° W. and ascend along rocky E.

slope.

7.00 Top ascent on E. slope 70 ft. above river bottom. De-

scend 30 ft.

11.00 Bottom descent. Ascend along E. slope.

17.50 To cor. No. 3.

Set a malpais stone 28 x 18 x 13 ins. on solid rock
in a mound of stones, marked 3-HES237 on NW. face and
+ on top, from which:

Pits impracticable. No witnesses available.

The N. edge of rocky peak on E. side of river
bears N. 77° 40' E., about 1/2 mile.

The E. edge of rim rock of a high mesa, bears
S. 30° 31' E., about 2 miles.

N. edge of rim rock of a high mesa, bears S.
66° 15' W., about 1-3/4 miles dist.

No stones available for mound.

List cor. No. 3, a granite stone 10 x 8 x 4 ins.,
marked and witnessed as described by the Forest Service,
bears N. 56° E., 3 lks. dist. I destroy all trace of
this cor.

This cor. is situated on the E. edge of the first mesa
about 200 ft. above the river.

Chains

Thence West.

Over level mesa, through mesquite brush.

13.30 Leave first mesa, and ascend along N. slope of second mesa.

19.30 Gulch, 500 lks. wide 40 ft. deep, course N.

29.00 Top on N. edge of mesa, thence along edge of mesa.

37.10 To NW. point of mesa; descend steep W. slope into canyon of Dix Creek.

42.00 Bottom, 270 ft. below mesa; thence over creek bottom cut by overflows and covered with boulders.

50.00 To cor. No. 4.

Set a malpais stone 25 x 13 x 9 ins. in a mound of stones 6 ft. base and 5 ft. high, marked 4-HES237 on NE. face and + on top, from which:

A walnut tree 10 ins. in dia., bears N. 33° 45' E., 119 lks. dist., marked 4 H E S 237 B T.

A sycamore 7 ins. in dia., bears S. 68° E., 79 lks. dist., marked 4 H E S 237 B T.

A gambel oak 8 ins. in dia., bears S. 70° 30' W., 95 lks. dist., marked 4 H E S 237 B T.

After diligent search no signs of list cor. are found. The land here is subject to overflow of 2 or 3 ft., but to set witness corners above high water mark would put them beyond the limit of distance from the point for cor.

December 31, 1914.

At cor. No. 4 of this claim I set off 23° 06' S. on decl. arc and at local apparent noon observe the sun on the meridian. The resulting latitude is 33° 12'.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains Thence N. 22° W.
 Over level creek bottom covered with boulders, through sycamore and oak timber.

21.00 To cor. No. 5.
 I mark a cross (+) on top of a red granite boulder in place showing 12 x 12 x 6 ins. above ground, and marked 5-HES237 on SE. face, from which:

A sycamore 14 ins. dia., bears N. 87° 15' E.,
 87 lks. dist., marked 5 H E S 237 B T.

A sycamore 10 ins. dia., bears S. 28° E., 68 lks. dist., marked 5 H E S 237 B T.

List cor. No. 5, which is a granite stone 10 x 6 x 4 ins. marked and witnessed as described by the Forest Service, bears S. 36° W., 2 lks. dist. I destroy all trace of this cor.

This cor. is situated on a high strip of ground between the main channel of Dix Creek on the West and an old channel on the East, and about 200 lks. South of S. bank of the San Francisco River.

Pits impracticable. No stones available for mound.

Thence N. 57° E.
 Along left bank of San Francisco River up stream through heavy sycamore and cottonwood.

3.40 Mouth of old channel of Dix Creek, course N., 60 lks. wide.

16.55 To cor. No. 6.
 Set a granite stone 26 x 14 x 11 ins., over small stone marked with cross 16 ins. in ground, marked 6-HES237 on S. face and + on top, from which:

A cottonwood 34 ins. dia., bears S. 77° 30' E.,
 7 lks. dist. This tree not marked on account of a woven wire fence grown into the bark.

Chains

A black willow 20 ins. dia., bears S. 69° W.,
92 lks. dist., marked 6 H E S 237 B T.

A black willow 16 ins. dia., bears N. 03° 30' W.,
70 lks. dist., marked 6 H E S 237 B T.

Pits impracticable on account of roots of cottonwood
bearing tree which also is in the way of building
mound of stone.

Thence N. 67° 15' E.

Over level river bottom on left bank of San Francisco
River, up stream along N. side woven wire fence. Scat-
tering cottonwood and willow along river bank and cul-
tivated land to South of line.

3.50 Leave fence.

16.30 To cor. No. 7.

Identical with cor. No. 6 of list survey, which is a
granite stone 12 x 10 x 8 ins., marked and witnessed
as described by the Forest Service. I destroy all
trace of this cor. and in its place set a granite
stone 28 x 12 x 10 ins., 12 ins. in the ground on solid
rock, over small stone marked with a cross. Cor.

stone marked 7-HES237 on S. face and + on the top.

Raise mound of stone 6 ft. base, 5 ft. high, over cor-
ner, from which:

A black willow 9 ins. dia., bears S. 34° 45' E.,
130 lks. dist., marked 7 H E S 237 B T.

A black willow 10 ins. dia., bears S. 46° W.,
197 lks. dist., marked 7 H E S 237 B T.

This cor. is situated on low bank of river; the ground
here is subject to overflow of 2 to 3 ft. The ground
here is solid and witness corners would not be on high-
er ground.

HOMESTEAD ENTRY SURVEY NO. 237

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains Thence S. 72° E.
 Along left bank of San Francisco River.
 4.00 Along N. side woven wire fence, from the West parallel
 to line.
 14.40 To cor. No. 1, the point of beginning.

AREA.

Total area - - - - - 154.38 acres.

IMPROVEMENTS.

The improvements made on this place and belonging to the claimant consist of the following:

A four room house, stone, 50 ft. N. and S. by 45 ft. E. and W., the NW. cor. of house bears S. 74° 45' E., 9.70 chs. dist. from cor. No. 5 of this survey.
 Value - - - - - \$4000.00

A corn crib 30 ft. square, the SW. cor. of which bears E. 7.60 chs. dist. from cor. No. 5 of this survey. On the N. and W. of this corn crib is a hog pen of hog-tight fence, which extends along the Northern boundary of this claim.
 Corn crib and fencing,
 Value - - - - - \$ 400.00

A 50 ft. tunnel through solid rock for acequia, about 100 lks. S. of cor. No. 1, and 2000 ft. of ditch.
 Value - - - - - \$1200.00

An orchard of 1200 bearing fruit trees, mostly apple, E. of the house.
 Value - - - - - \$1500.00

Chains

GENERAL DESCRIPTION.

This claim is situated in the canyon of the San Francisco River about 2 miles above the junction of the San Francisco and Blue Rivers.

The land is rich sandy loam in the river bottom, and loose and sandy on the mesa.

Nearly all the land that could be cultivated is above overflow. There is at present about 50 acres in cultivation. This is irrigated by an acequia that leaves the San Francisco River near cor. No. 2 of this survey.

Alfalfa and corn are the principal crops.

Water is supplied for the house from Dix Creek by a hydraulic ram.

I saw no indication of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicts or adjoining claims.

Clifton, Arizona, the nearest post office and railroad point is about 22 miles dist. in a Southwesterly direction.

It was not the intention of the Forest Service, when listing survey was made that the San Francisco River form a meander boundary for this claim. The entryman was present when entry survey was made and was satisfied with the survey as made.

HOMESTEAD ENTRY SURVEY NO. 237

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

TRAVERSE.

Course.	Dist.	N.	S.	E.	W.	
S. 50° E.	20.00		12.86	15.30		
South.	17.50		17.50			
West.	50.00				50.00	
N. 22° W.	21.00	19.47			7.87	
N. 57° E.	16.55	9.01		13.88		
N. 67° 15' E.	16.30	6.31		15.04		
S. 72° E.	14.40		4.45	13.69		
		155.75	34.79	34.81	57.91	57.87
				34.79	57.87	
Error in Lat. and Dep.				.02	.04	

Closing error 1:3485.

Survey completed December 31, 1914.

Leitch Jones
Surveyor-Forest Service.

Chains

TRAVEL

Chains

Course.	Dist.	N.	S.	E.	W.
S. 50° E.	20.00		12.88		
South.	17.50				
West.	50.00				50.00
N. 22° W.	21.00	12.47			7.87
N. 57° E.	16.55	9.01		13.88	
N. 67° 15' E.	16.30	8.31		15.04	
S. 72° E.	14.40		4.45	13.69	

155.75	24.79	24.81	27.91	57.87
		24.79		
		20.		

Error in lat. and deg.

Closing error 1:2485.

Survey completed December 21, 1914.

Surveyor-General 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.

ADAM SLIGER.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 237, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
76624 64279	S. 50° 0' E.	20.00		12 86	15 30		100 49		1291 30
	South.	17.50		17 50			115 80		2026 50
	West	50.00				50 00	65 78		
97467 92718	N. 22° 0' W.	21.00	19 47		13 88	7 87	7 88	153 50	
83807 54464	N. 57° 0' E.	16.55	9 01		15 04		13 87	124 97	
92220 28671	N. 67° 15' E.	16.30	6 31		13 69		42 77	269 87	
80902 95106	S. 72° 0' E.	14.40		4 45			71 49		318 13
			34 79	34 81	57 91	57 87		548 34	3635 93
			24 80	34 80	57 90	57 90			548 34
									3087 59
									154 38
									Acres. T.A.

Closing error 1:3485

95

votes

CONTEST	BEARING	DISTANCE	VOTERS				TOTAL	REMARKS
			MALE	FEMALE	WHITE	COLORED		
1913	10	0.03	10	0	10	10		
1914	10	0.03	10	0	10	10		
1915	10	0.03	10	0	10	10		
1916	10	0.03	10	0	10	10		
1917	10	0.03	10	0	10	10		
1918	10	0.03	10	0	10	10		
1919	10	0.03	10	0	10	10		
1920	10	0.03	10	0	10	10		
1921	10	0.03	10	0	10	10		
1922	10	0.03	10	0	10	10		
1923	10	0.03	10	0	10	10		
1924	10	0.03	10	0	10	10		
1925	10	0.03	10	0	10	10		
1926	10	0.03	10	0	10	10		
1927	10	0.03	10	0	10	10		
1928	10	0.03	10	0	10	10		
1929	10	0.03	10	0	10	10		
1930	10	0.03	10	0	10	10		

REPORTING AND CIRCULATIONS OF HOMESLEAVE EMPLOYEES TO THE STATE OF VIRGINIA

ADVISORY BOARD

1. Only one copy of this report is to be made; for the District Office, the State Office, and the Commissioner.

2. In the case of a contest, the report is to be made to the District Office, the State Office, and the Commissioner.

3. The contest is to be made to the District Office, the State Office, and the Commissioner.

4. The contest is to be made to the District Office, the State Office, and the Commissioner.

5. The contest is to be made to the District Office, the State Office, and the Commissioner.

APPROVAL

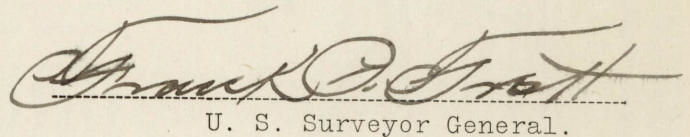
Office of the United States Surveyor General,

Phoenix, Arizona, April 2 , 1917.

The foregoing field notes of Homestead Entry Survey No.

237

executed by **Lee C. Daves, Surveyor Forest Service** [Forest Service Title.]
under his special instructions, dated **August 6** , 1914, 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.