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ORIGINAL

APR-3 1921

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

563 add
570 add

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 561

SITUATED IN THE **TONTO** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section **23** , unsurveyed, Township **6 N** , Range **13 E**
In Section **24** , unsurveyed, Township **6 N.** , Range **13 E.**

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing **C. E. Steward**

Residence **Young, Arizona**

Application No. **362.** , dated **August 24** , 19 **12**

List No. **3-2548** , dated **December 6** , 19 **13**

Applicant for survey **Doliver G. Adkins**

Residence **Young, Arizona**

H. E. No. **036983** , dated **November 15** , 19 **17**

Office
Land District **Phoenix, Arizona**

Survey executed by **F. L. Kirby, Deputy Forest Supervisor**

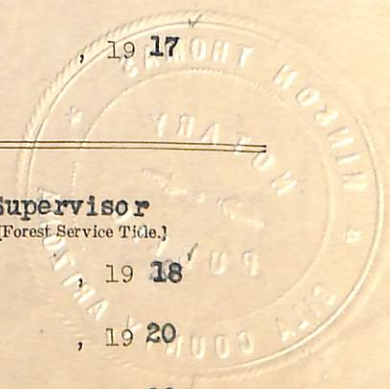
[Forest Service Title.]

Under special instructions dated **February 15** , 19 **18**

Survey commenced **December 15** , 19 **20**

Survey completed **December 17** , 19 **20**

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



OATH OF ASSISTANTS

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

parts or portions of Homestead Entry Survey No. **561**, 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 inconven-
ient to appear before an officer
to administer oath to assistant;
hence it was taken by the
Surveyor.

S. P. Roach

Chainman

Subscribed and sworn to before me this **Seventeenth** day of
December, 1920

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
February 15, 1918, 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. **3-2548**, dated **December 6**, 1913, for
PATENT, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **561**,
situated within the **TONTO** National Forest, in
unsurveyed Section 23, Township **6 N**, Range **13 E**, and
Unsurveyed Section 24, Township **6 N**, Range **13 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 Forest Supervisor
[Forest Service Title.]

Subscribed and sworn to before me this **Seventeenth** day of
September, 1921.

Wm. Thomas

Notary Public

My commission expires 2/21/22



HOMESTEAD ENTRY SURVEY NO. 561

TONTONATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, C. E. Steward; Application No. 362, dated August 24, 1912; List No. 3-2548, dated December 6, 1913; H.E. 036983 made in the Phoenix Land Office on November 15, 1917, by Doliver G. Adkins.

The area excluded from the original listing for a road exception was included in this survey, since the road exception is no longer required by the Forest Service for the protection of Government interests.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 15, 1918, and designated as Homestead Entry Survey No. 561.

Situated in what will probably be when surveyed Secs. 23 and 24, T. 6 N., R. 13 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 15, 1920, and executed with an A. Lietz Mining Transit, No. 6384, equipped with full verticle circle and Saegmuller Solar attachment, the horizontal limb having two double verniers placed opposite and reading to thirty seconds of arc; the verticle circle has a double vernier reading to single minutes.

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 15, 1920

At my station near cor. No. 1 of this survey in lat. 33° 51' N., long. 110° 57' 40" W., from Forest Service Base Map, at 5 h. 05m. p.m. l.m.t., I observe Polaris with telescope direct, reading an angle of 9° 01' from star to west to reference mark about 1-1/2 miles dist.

HOMESTEAD ENTRY SURVEY NO. 108

NATIONAL FOREST

STATE OF ARIZONA

Chains Greenwich m.t. U.C. Polaris Dec.15,1920 7h.56.6m. p.m.
 Correction for long. 1.2
 1.m.t. U. C. Polaris, Dec.15,1920 7h.55.4m. p.m.
 1.m.t. obsn. Polaris, Dec.15,1920 5h.05. m. p.m.
 Hour angle 2h.50.4m.

Azimuth of Polaris N. 0° 55' E.

Bearing of Reference Mark N. 8° 06' W.

At the same station at 5h. 08m p.m. 1.m.t. I again observe Polaris with telescope reversed reading an angle of 9°00' 30" from star to same reference mark.

L.m.t. U.C. Polaris, Dec.15,1920 7h. 55.4m. p.m.

L.m.t. obsn. Polaris Dec.15,1920 5h. 08 m. p.m.

Hour angle 2h. 47.4m.

Azimuth of Polaris N. 0° 54' 18" E.

Bearing of reference Mark N. 8° 06' 12" W.

The mean bearing of reference mark as determined from the two obsns. is N. 8° 06' 06" W.

I accept bearing of reference mark as N. 8° 06' W. and from the corresponding meridian all the courses of this survey were deflected by sustained angulation.

December 15, 1920

BOUNDARIES OF CLAIM

December 16, 1920

Beginning at cor. No. 1

Identical with Cor. No. 1 of H.E.S. No. 148, also point for Cor. H/1 of the list survey a sandstone 10 x 4 x 10 ins. above ground, marked + on top and 1 H E S 148 on SW. face; I adopt this cor. for cor. No. 1 of this survey, and alongside to N.W. set a red sandstone 24 x 12 x 4 ins. 18 ins. in ground, chiseled 1 H E S 561 on NW. face; raise a mound of stone 3 ft. base, 2 ft. high, NW. of cor., whence;

A pine 6 ins. dia., bears N. 10° 02' E.,
28 lks. dist.

A sycamore 6 ins. dia., brs. N. 7° 31' W.,
29 lks. dist.

Chains

Each blazed and scribed 1 H E S 561 + B T
U. S. L. M. No. 148 H.E.S. a porphyry ledge, 16
ft. high extending SW. and SE. from point,
chiseled + and U.S L M 148 H E S on top, with
mound of stone 6 ft. base, 4 ft. high, South of
U. S. L. M., bears S. 18° 19' E., 1.97 chs. dist.
by direct measurement. (Record in H.E.S. 148 S. 18° 30' E.)

It was impracticable to chisel markings for this survey
on the stone set for Cor. No. 1, H. E. S. 148.

Lat. 33° 51' 00" N., Long. 110° 57' 40" W. from special
instructions from the Surveyor General and later veri-
fied.

Mag. decl. at 8:30 a.m. is 14° 03' E., Mean mag. decl.
14° 02' E.

Thence N. 79° 08' W.

Decs. 6 ft. over SW. slope, thru heavy brush, along
line 1-11 of H.E.S. 148. (Record N. 79° 03' W.)

.20 North bank of Workman Creek, bank 3 ft. high.

.70 Workman Creek 68 lks. wide, banks 3 ft. high, running
water 15 lks. wide, 6 ins. deep, cour N. 58° W.

1.10 S. bank Workman Creek, bank 3 ft. high.

1.50 Road bears N. 10° E.

7.45 Connor Creek, 70 lks. wide, banks 2 ft. high, running
water 10 lks. wide, 4 ins. deep, course North.

8.20 E. bank Bear Creek 30 lks. wide, dry course N. 60° E.

9.00 W. bank Bear Creek, bank 2 ft. high

9.22 To cor. No. 2.

Identical with Cor. No. 11 of H.E. S. No. 148, a sand-
stone 10 x 8 x 10 ins. above ground, marked + on top,
and 11 H E S 148 on SE. face. I adopt this cor. for
Cor. No. 2 of this survey and alongside to North set a
red sandstone 24 x 12 x 3 ins. 16 ins. in the ground,
chiseled 2 H E S 561 on N. face; raise a mound of stone
3 ft. base, 2 ft. high, N. of cor., whence;

Record in
No. 148
N 79° 03' W

Chains

An oak 12 ins. dia., brs. N. $24^{\circ} 51'$ E., 14 lks.
dist.

An oak 10 ins. dia., brs. N. $72^{\circ} 03'$ W., 30 lks.
dist.

Each blazed and scribed 2 H E S 561 + B T

It was impracticable to chisel markings for this survey
on stone set for Cor. No. 11 H E S 148.

Cor. No. 2 is identical with point for Cor. H/2 of the
listing survey, said list cor. was destroyed in the
execution of H.E.S. 148.

Thence N. $42^{\circ} 11'$ W.

Asc. 5 feet thru oak underbrush and young pine.

5.04

To cor. No. 3.

Identical with cor. H/5 of the list survey which is
a porphyry stone 14 x 10 x 8 ins. on top of an em-
bedded porphyry boulder showing 30 x 36 x 18 ins. above
ground marked and witnessed as described by the Forest
Service. I destroy all trace of this list Cor.

I chisel + for the point and 3 H E S 561 on top of the
embedded porphyry boulder showing 30 x 36 x 18 ins.
above ground, for cor. No. 3 of this survey and raise
a mound of stone 2 ft. base 1-1/2 ft. high E. of Cor.
whence;

An oak 16 ins. dia. bears N. 24° W. 3 lks.

An oak 12 ins. dia. bears N. 48° E. 11 lks.

Each blazed and scribed 3 H E S 561 + B T.

Thence N. $64^{\circ} 09'$ W.

3.10

Fence, bears E. and W.

10.50

Fence, bears N. and S. Desc. gradual N E slope thru under-
brush and young pine.

17.80

Arroyo, dry, 15 lks. wide, banks 2 ft. high course N. 15°
E. thence along gradual NE slope.

Chains

23.44

To Cor. No. 4.

Identical with Cor. H. 4 of the list survey, which is a sandstone 5 x 4 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a diabase stone 2 x 4 x 5 ins. marked with a + 16 ins. in the ground over which set a diabase stone 24 x 6 x 8 ins. chiseled + for the point and 4 H E S 561 on E. face; raise a mound of stone 2 ft. base 1-1/2 ft. high E. of cor. whence;

An oak 20 ins. dia. brs. N. 77° 42' E. 17 lks. dist.

A pine 30 ins. dia. brs. S. 29° 15' W. 63 lks. dist.

Each blazed and scribed 4 H E S 561 + B T

December 16, 1920

December 17, 1920

Thence N. 1° 40' W.

Desc. 40 ft. over N. slope

4.40

SW bank of Workman Creek, bank 1 ft. high

4.80

Workman Creek 65 lks. wide, running water 30 lks. wide
8 ins. deep, course N. 55° W.

5.00

Road bears N. 70° E.

5.25

NE bank of Workman Creek Bank 3 ft. high

5.53

To Cor. No. 5.

Identical with cor. H 3 of the list survey which is a granite stone 5 x 10 x 15 ins. set on top of a diabase outcropping 30 x 50 x 24 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

I chisel + for the point and 5 H E S 561 on top of diabase outcropping showing 30 x 50 x 34 ins. above ground for cor. No. 5 of this survey and raise a mound of stone 2 ft. base 1-1/2 ft. high S. of cor. whence;

Chains	An alder 20 ins. dia. brs. S. 56° W. 23 lks. dist. An oak 8 ins. dia. brs. N. 72° 30' E. 45 lks. dist. Each blazed and scribed 5 H E S 561 + B T
	Thence S. 66° 49' E. Asc. 50 ft. thru dense underbrush
10.00	Top asc. Desc. 20 ft. to arroyo.
12.50	Arroyo 15 lks. wide dry. Course SW. Asc. 50 ft. over SW slope thru oak brush.
20.00	Top asc. thence over level land.
21.45	Fence cor. fences bear S. 67° E. and S. 55° W.
28.07	To Cor. No. 6. Identical with cor. H 2 of the list survey, which is a diabase stone 3 x 5 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a red sandstone 3 x 6 x 6 ins. marked with a + 16 ins. in the ground, over which set a red sandstone 24 x 8 x 12 ins. chiseled + for the point and 6 H E S 561 on SW face; Raise a mound of stone 2 ft. base 1-1/2 ft. high SW of cor. whence; An oak 6 ins. dia. brs. N. 54° W. 16 lks. dist. An oak 12 ins. dia. brs. N. 61° E. 34 lks. dist. Each blazed and scribed 6 H E S 561 + B T
	Thence S. 37° 56' E. Asc. 10 ft. over gradual SW slope
12.60	Ditch 4 lks. wide 1 ft. deep. course N. 55° W.
12.82	To Cor. No. 1, the place of beginning.

AREA

Total Area----- 19.81 Acres

Chains

IMPROVEMENTS

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

The dwelling is a frame house 14 x 18 ft., the long side of which extends N. 55° W., and the E. cor. of which brs. S. 87° W. 3.20 chs. from Cor. No. 6.

Value-----200.00

A log Barn, 16 x 20 ft., the long side extending NW. and SE., and the E. cor. of which brs. N. 82° W. 4.80 chs. dist from Cor. No. 6.

Value----- \$125.00

Storehouse of logs and adobes, 10 x 12 ft., long side extending NW. and SE., and E. cor. of which brs. N. 77° W. 5.80 chs. from Cor. No. 6.

Value----- \$80.00

Pole Corral 60 ft. dia., brs. S. 69° W. 5.40 chs. from Cor. No. 6.

Value----- \$75.00

Approximately 200 rods of fence of barbed wire.

Value----- \$200.00

GENERAL DESCRIPTION

The claim is situated in the bed of Workman Creek; and it is in between high, steep, rough mountains which extend down to the lines of the claim on the NE. and SW. The agricultural portion of the tract consist of 3 small flats of bottom land, lying along Workman Creek; the total area of these flats is approximately 4-1/2 acres. Of the remainder of the tract, about 3 acres is gravel and boulders in the creek bottom; and the remainder is steep, rocky, brush covered hillsides. The agricultural portion is sandy alluvium, full of humus and very fertile. Approximately 3.8 acres of the tract was cleared and

HOMESTEAD ENTRY SURVEY NO. 561

Tonto NATIONAL FOREST

STATE OF Arizona

Chains under cultivation on the date of this survey, 1 acre of which had recently been planted to young fruit trees. All of the cultivated portion is under ditch. Young Arizona, the nearest settlement and postoffice, is about 25 miles in a northerly direction; but that place bears little or no relation to this claim; the metro- polis and trading point is Globe, which is also the County seat. It is accessable by a good automobile road. The only timber of commercial value on the claim is a few oak and sycamore trees suitable for cordwood only, and which would probably total 40 cords; this has no value whatever at present, owing to distance from market. There is no indication of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. H.E.S. No. 148 of the J.C. Carr homestead, adjoins this tract on the south, lines 1-11 of HES. 148 being identical with line 1-2 of this survey

TRAVERSE

	Course	Dist.	N.	S.	E.	W.
1-2	N. 79° 08'	W. 9.22	1.74			9.05
2-3	N. 42° 11'	W. 5.04	3.75			3.38
3-4	N. 64° 09'	W. 23.44	10.22			21.09
4-5	N. 01° 40'	W. 5.53	5.53			.16
5-6	S. 66° 49'	E. 28.07		11.05	25.80	
6-1	S. 37° 56'	E. 12.82		10.11	7.88	
		84.12	21.22	21.16	33.68	33.68

Survey completed December 17, 1920

F. 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. 561, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1 - 2	N 79° 08' W	9.22	1 74			9 05	58 31	101 46			
2 - 3	N 42° 11' W	5.04	3 73			3 38	45 88	171 13			
3 - 4	N 64° 09' W	23.44	10 22			21 09	21 41	218 38			
4 - 5	N 1° 40' W	5.53	5 53			16	16	88			
5 - 6	S 66° 49' E	28.07		11 05	25 80		25 80			285 61	
6 - 1	S 37° 56' E	12.82		10 11	7 88		59 48			602 53	
		84.12	21 22	21 16	33 68	33 68		491 85		888 14	
				06						491 85	
Closing Error	1/1402		21 20	21 20	33 68	33 68				20) 396 29	
										19 81	Acres

APPROVAL

Office of the United States Surveyor General,

PHOENIX, ARIZ *December 8*, 1921

The foregoing field notes of Homestead Entry Survey No.

561

executed by *F. L. Kirby, Deputy Forest Supervisor*
[Forest Service Title]
under his special instructions, dated *Feb. 18*, 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.