FIELD NOTES
OF
HOMESTEAD ENTRY SURVEY NO. 554
SITUATED IN THE GROCK NATIONAL FOREST
ADMINISTRATIVE DISTRICT NO. 3
In Section 12, unsurveyed, Township 1 N., Range 12 E.
In Section 17, unsurveyed, Township 1 N., Range 13 E.

of the GILA AND SALT RIVER BASE & MERIDIAN.
State of ARIZONA

Applicant for listing: W. L. Greer.
Residence: Miami, Arizona.
Application No. 209, dated May 20, 1912
List No. 3-2161, dated February 24, 1913

Applicant for survey: Mae Clark.
Residence: Miami, Arizona.
H. E. No. 027605, dated June 7, 1915
Land Office, Phoenix, Arizona.

Survey executed by F. L. Kirby, Forest Ranger, Forest Service, Forest Service Sage.
Under special instructions dated February 16, 1916
Survey commenced April 24, 1919
Survey completed April 28, 1919
OATH OF ASSISTANTS

We hereby certify that we assisted P. L. Kirby, Forest Ranger, Forest Service, in surveying all those parts or portions of Homestead Entry Survey No. 554, 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 Arizona.

Note: It would have been very expensive and inconvenient to appear before an officer to administer oath to Assistants; hence, they were taken by the Surveyor.

Rae Hargis
Chairman

W. D. Denny
Chairman

Subscribed and sworn to before me this twentieth day of February, 1920.

F. L. Kirby
Forest Ranger, Forest Service.

OATH OF SURVEYOR

I, F. L. Kirby, Forest Ranger - Forest Service, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated February 5, 1917, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract or land embraced in List, No. 3-2161, dated Feb. 24, 1913, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 554, situated within the CROOK National Forest, in un surveyed Section 12, Township 1 N., Range 12 E., and un surveyed Section 17, Township 1 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
Forest Ranger - Forest Service

Subscribed and sworn to before me this 7th day of February, 1920.

W. L. Thomas
Notary Public
HOMESTEAD ENTRY SURVEY NO. 554
CROOK NATIONAL FOREST
STATE OF ARIZONA

Chains

Applicant for listing, W. L. Green; application No. 209, dated May 20, 1912; List No. 3-2161, dated February 24, 1913; H. E. 027605 made in the Phoenix Land Office on June 7, 1916 by Rae Clark.

The changes made in this survey are in accordance with the desires of the entryman and meet with the approval of the Forest Service. The survey includes all agricultural lands occupied by the claimant and which were intended to be embraced in the original listing while excluding non-agricultural forest land. This survey is therefore in the nature of a cooperative survey and will be used as a basis for substitute list and amendment of entry. The original listing in this case was erroneously made by legal subdivisions description in an unsurveyed township, and no attempt was made to conform this survey to the lines of the original listing.

Signed statement from the entryman agreeing to the changes made and also agreeing to amend his entry to conform to this survey is attached at the end of these notes.

Surveyed under special instructions from the Surveyor General for Arizona dated February 15, 1916, and designated as Homestead Entry Survey No. 554.

Situated in what will probably be when surveyed, Section 12, T. 1 N., R. 12 E. and Section 7, Town 1 N., R. 13 E., Gila and Salt River Base and Meridian, Crook National Forest, Arizona.

Surveyed under Acts of June 11, 1906 and October 1, 1918.

Survey commenced April 24, 1919, and executed with an A. Lietz Mining transit No. 6344 with full vertical circle and Saegmuller Solar attachment.
Chains

I test the adjustments of the transit and make all necessary adjustments.

All distances are horizontal and were reduced from measurements made directly on the slope with a 400 link steel tape. The slope angles were determined with a clinometer.

April 24, 1919.

At the cor. to Secs. 7, 12, 13 and 18, T. 1 N., R. 18 and 15 E., hereinafter described, in Lat. 36° 26' 15" N.

Long. 111° 04' 19" W., from Forest Service Base map, at

Sh. 55.7m. a.m., I.m.t., I observe polaris with telescope direct, reading an angle of 29° 02' 30" from star to reference mark. Mark east of star.

Greenwich m.t., U.C. Pol, April 24, 11h. 24.9m. a.m.

Carr. for long. ___________ 1.2

I.m.t., U.C. Polaris, April 24, 11h. 23.7m. a.m.

I.m.t. Obsn. Polaris, April 24, 6h. 53.7m a.m.

Hour Angle, 5h. 30.0m

Azimuth of Pol. at Obsn. 1° 20' 15" N.

Bearing of reference mark, N. 30° 22' 48" E.

At the same station at 6h. 01.7m. a.m., I.m.t., I again observe Polaris with telescope reversed, reading an angle of 29° 02' 30" from star to same reference mark.

I.m.t. U.C. Pol. April 24, 11h. 23.7m. a.m.

I.m.t. Obsn. Pol. April 24, 6h. 01.7m.

Hour Angle, 5h. 22.0m.

Azimuth of Polaris at Obsn. 1° 20' 15" E.

Bearing of reference mark, N. 30° 22' 30" E.

The bearing of the reference mark as determined from the mean of the two observations is N. 30° 22' 39" E.

Accept bearing of ref. mark as N. 30° 23' 35" E. Azimuth carried forward by sustained angulation.
April 24, 1919.

Retracing

Beginning at the corner of Secs. 7, 12, 15 and 18, T. 1 N., R. 12 and 13 E., which is a white sandstone 14 x 8 x 10 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence North.

Retracing line bet. Secs. 7 and 12, S/2.

Fall 17 lms. East of the 1/4 sec. cor. which is an outcropping bluish-white limestone 18 x 36 x 12 ins. above ground, marked and witnessed as described by the Surveyor General.

True line is N. 0° 15' W., 59.96 chs.

April 24, 1919.

April 25, 1919.

Boundaries of Claim

Beginning at Corner No. 1.

Identical with the Cor. to Secs. 7, 12, 15 and 18, T. 1 N., R. 12 and 13 E., heretofore described. I chiseled same stone + on top for Cor. No. 1 of this survey and alongside to North deposit a white dacite stone 4 x 4 x 6 ins. chiseled with a + 26 ins. in the ground, over which set an iron post 2 ins. dia., 30 ins. long, with brass cap, marked 1919 on S. rim; and 1 - H E S 554 in quadrant facing the claim; raise a mound of stone 3 ft. base, 2 ft. high, N. of cor., thence:

A blackjack oak 7 ins. dia., brrs. S. 85° 00' W.,
23 lms. dist.

A blackjack oak 14 ins. dia., brrs. S. 33° 34' E.,
124 lms. dist.

Each blazed and scribed H E S 554 + 3 T.

Lat. 33° 26' 15" N., Long. 111° 04' 19" W. from Forest service Base Map.
HOMESTEAD ENTRY SURVEY NO. 554
CROOK NATIONAL FOREST
STATE OF ARIZONA

Chains
Mag. Decl. at 6:00 a.m. is 14° 57' E., mean mag. decl. is 14° 56' E.

Thence N. 64° 37' W.

Over level land, thru dense brush.

15.50 Small wash, course North

22.36 To Cor. No. 2.

Deposit a red dacite stone 3 x 4 x 6 ins. chiseled +, 16 ins. in the ground, over Which set a white limestone 5 x 15 x 28 ins. chiseled + for the point and 2 - H.E.S 554 on NE. face; raise a mound of stone 3 ft. base, 2 ft. high, NE. of cor., whence:

A blackjack oak 10 ins. dia., brs. N. 76° 00' E., 37 lks. dist.

A blackjack oak 16 ins. dia., brs. N. 20° 09' E., 13 lks. dist.

Each blazed and scribed 2 H.E.S 554 + E T

Thence N. 26° 47' W.

Over level land.

3.85 Middle of West Fork of Pinto Creek 180 lks. wide, banks 4 ft. high, running water 10 lks. wide, 5 ins. deep, course N. 76° E.

7.06 To Cor. No. 3.

Deposit a brown sandstone 2 x 10 x 12 ins. chiseled +, 16 ins. in the ground, over which set a white sandstone 6 x 16 x 24 ins. chiseled + for the point and 3 H.E.S 554 on S.E. face; raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor., whence:

A sycamore 10 ins. dia., brs. S. 25° 23' E., 200 lks. dist.

A blackjack oak 10 ins. dia., brs. S. 14° 40' W., 33 lks. dist.
Homestead Entry Survey No. 554
Crook National Forest
State of Arizona

Chains

Each blazed and scribed 3 H E S 554 + B T.

April 26, 1919.

April 26, 1919.

Thence N. 75° 23' E.

Over level land.

1.90 Arroyo 30 lks. wide, banks 3 ft. high, course S.

Ascend 60 ft.

6.50 Top of ascent. Thence along broken brushy hillside.

24.10 Begin descent of 26 ft. to cor.

26.96 To Cor. No. 4 and closing cor. on line bet. Secs. 7 and 12.

Deposit a brown sandstone 2 x 4 x 5 ins. chiseled +,

26 ins. in the ground, over which set an iron post 2 ins
dia., 56 ins. long, with brass cap, mkt. 1919 on S. rim;

C C on closing line, and 4 H E S 554 in quadrant facing
the claim; raise a mound of stone 3 ft. base, 2 ft.
high, S. 75° 26' W., of cor., whence:

A blackjack oak 6 ins. dia., bras. S. 85° 04' E.,

50 lks. dist.

A blackjack oak 10 ins. dia., bras. S. 1° 43' E.,

50 lks. dist.

Each blazed and scribed C 4 H E S 554 + B T
Cor. to Secs. 7, 12, 13 and 18, heretofore de-
scribed, bras. S. 0° 25' E., 14.52 chs. dist.

1/4 cor. bet. secs. 7 and 12, heretofore described,
bras. N. 0° 15' W., 25.44 chs. dist.

Thence N. 85° 36' E.

Desc. 50 ft. thru dense brush.

11.55 Trail, bras. NE. and SW.

12.80 Arroyo, 70 lks. wide, banks 6 ft. high, course SE.

Ascend 75 ft. to cor.
HOMESTEAD ENTRY SURVEY NO. 554
CHUCK NORTHERN FOREST
STATE OF ARIZONA

Chains
A cedar 20 ins. dia., bre. N. 56° 20' E., 82 lks. dist.
Each blazed and scribed 6 H E S 554 + B T

Thence S. 77° 22' W.
Over level land.
1.00 Cor. fence bears N. 23° W., 5 lks. Fence bear N. 19° W. and S. 77° 22' W., parallel to line.
1.50 Arroyo, 20 lks. wide, 2 ft. deep, course N. 34° W.
2.00 Trail to Globe, bears S. 75° W. and S. 30° E. Ascend gradually 40 ft. over rolling land, thru heavy brush. Globe trail parallels line 2 to 6 lks on outside claim. Broken wire fence parallels line 5 lks inside claim.
23.60 Top of ascent. Desc. 12 ft. to cor.
25.78 To Cor. No. 1, the place of beginning.

AREA
Total Area -- -- -- -- -- -- -- -- -- -- 62.52 Acres.

IMPROVEMENTS
The improvements made upon this claim by the claimant and belonging to him, consist of the following:
A sleeping tent 14 x 16 ft., concrete floor, framed with poles and covered with corrugated iron roofing, the long side of which extends N. and S., and the SE. cor. of which bears N. 26° 30' W., 2.60 chs. dist.
From Cor. No. 1
Value -- -- -- -- $100.00
A sleeping tent, 12 x 14 ft., concrete floor, the long side of which extends N. and S.,
and the SE. cor. of which bears N. 38° 56' W.,
2.65 chs. dist. from Cor. No. 1.
Value - - - - - - - - $ 40.00
A kitchen tent 12 x 14 ft., the long side of
which extends N. and S., and the SE. cor. of
which bears N. 35° 35' W., 3.65 chs. dist.
from Cor. No. 1.
Value - - - - - - - - $ 35.00
A well 55 ft. deep, equipped with rope and
pulley and covered with a corrugated iron
shed, bears N. 45° W., 4.00 chs. dist. from
Cor. No. 1.
Value - - - - - - - - $ 40.00
A chicken house made of hewn logs and poultry wire, covered with corrugated iron roofing, 12 x 14 ft., the long side of which extends N. 8° W. and the SE. cor. of which bears N. 2° 05' W., 1.00 chs. dist. from
Cor. No. 1.
Value - - - - - - - - $ 80.00
A barn 16 x 14 ft., with 6 x 10 ft. shed
attached, made of logs and covered with
corrugated iron roofing, the long side of
which extends N. 78° E. and the SW. cor. of
which bears N. 19° 20' E., 1.40 chs. dist.
from Cor. No. 1.
Value - - - - - - - - $ 60.00
A picket roundup corral 180 ft., 70 ft., the
long side of which extends S. 78° E. and
the NE. cor. of which bears S. 56° 33' W.,
6.50 chs. dist. from Cor. No. 5.
Value - - - - - - - - $150.00
| Chains | There are 306 rods of fence of woven wire, proof against poultry, hogs and stock; this fence is well made and cost approximately $550.00. Also 130 rods of ordinary barbed wire fence which cost $150.00. Total value of fences, $680.00. All of the improvements are well made and in good state of repair. |

**DESCRIPTION**

The claim is situated on the West Fork of Pinto Creek, a tributary to Salt River, and is surrounded by mountainous timbered country on the south and by high broken hills on the north. The elevation is approximately 3800 ft. The agricultural portion is flat and comparatively level, composed of rich sandy loam and humus; capable of very intensive cultivation if permanent water can be procured for it. Water for irrigation can be obtained from the West Fork of Pinto Creek only from about December 1 to June 1. The claim is most valuable now for raising hay and as a headquarters cattle ranch.

There is no saw timber on the claim; the merchantable timber consists of about 150 cords of oak wood; this could not be sold at present owing to its great distance from market and the lack of a road. Should a road be made to the claim, or a market be developed nearby, the stumpage value of the wood would be approximately 60¢ per cord.

There are no indications of any mineral upon the claim.
CHAINS

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

Miami, Arizona, is the nearest (most accessible) post-office, trading point and railway station; it is 15 miles dist. by trail. There is a wagon road extending to within 6 miles of the claim, but it is so cheaply constructed and in such poor state of repair that it is seldom used except as a trail.

<table>
<thead>
<tr>
<th>Course</th>
<th>Dist.</th>
<th>N.</th>
<th>S.</th>
<th>E.</th>
<th>W.</th>
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111.50 15.00 14.99 50.45 50.45

Error in Lat. and Dep. .01

Closing Error, 1:276

Survey completed April 28, 1919.

Forest Ranger - Forest Service.
# TABLE OF AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 554, STATE OF ARIZONA

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<tr>
<th>CORNERS</th>
<th>BEARING</th>
<th>DISTANCE</th>
<th>LATITUDES</th>
<th>DEPARTURES</th>
<th>DOUBLE M. D.</th>
<th>N. AREAS</th>
<th>S. AREAS</th>
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<td>3-4</td>
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**Error in Lat. and Dep.** 01 04

**Closing error 1:2706**
April 28, 1919.

I, Rae Clark, hereby agree to the survey of my homestead, number 554 as made on April 28, 1919, by Forest Service Surveyor 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 the same to conform with said survey.

The changes made by the surveyor are Change
from legal subdivision description to a metes and bounds description, with an area of 52.52 acres instead of 80 acres.

(Sgd.) F. L. Kirby,          (Sgd.) Rae Clark,
Witness                        Claimant.
APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, May 18, 1920

The foregoing field notes of Homestead Entry Survey No.

554

executed by F. E. Kirby, Forest Ranger
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.

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.