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**ORIGINAL**  
U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

189

APR-2 1920

MAY 13 1920

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 554

SITUATED IN THE CROOK 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 , 19 12  
List No. 3-2161 , dated February 24 , 19 13

Applicant for survey Rae Clark,  
Residence Miami , Arizona.  
H. E. No. 027605 , dated June 7 , 19 15  
Land ~~xxxxxxx~~ Office, Phoenix, Arizona.

Survey executed by F.L.Kirby, Forest Ranger, Forest Service,  
[Forest Service Title]  
Under special instructions dated February 15 , 19 18  
Survey commenced April 24 , 19 19  
Survey completed April 28 , 19 19  
Under Acts of June 11, 1906 and October 1, 1918.





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OATH OF ASSISTANTS

We hereby certify that we assisted **F. L. Kirby,**  
**Forest Ranger, Forest Service,** in surveying all those  
[Forest Service Title.]  
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 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 oath  
to Assistants; hence, they were  
taken by the Surveyor.

*Rae Clark*  
-----  
Chainman,  
-----  
*W. D. Toney*  
-----  
Chainman,  
-----

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

*F. L. Kirby*  
-----  
**Forest Ranger, Forest Service,**  
-----

OATH OF SURVEYOR

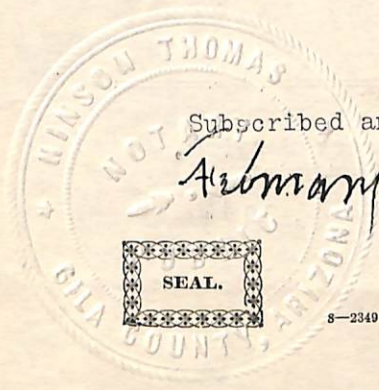
I, **F. L. Kirby,** **Forest Ranger - Forest Service,**  
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-  
tions of the United States Surveyor General for **ARIZONA**, dated  
**February 5**, 1917, 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. **3-2161**, 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,**  
[Forest Service Title.]

Subscribed and sworn to before me this **21<sup>st</sup>** day of  
**February**, 19**20**



*Wilson Thomas*  
-----  
**Notary Public**  
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CROOK MOUNT NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, W. L. Greer; 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, 1915 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, 1918, 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. 6384 with full vertical circle and Saegmuller Solar attachment.



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HOMESTEAD ENTRY SURVEY NO. 554

CROOK NATIONAL FOREST

STATE OF ARIZONA

**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., Rs. 12 and 13 E., hereinafter described, in Lat.  $33^{\circ} 26' 15''$  N. Long.  $111^{\circ} 04' 19''$  W., from Forest Service Base map, at 5h. 53.7m. a.m., l.m.t., I observe polaris with telescope direct, reading an angle of  $29^{\circ} 02' 30''$  from star to reference mark. Mark east of star.

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

Corr. for long. 1.2

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

l.m.t. obsn. Polaris, April 24, 5h. 53.7m a.m.

Hour Angle, 5h. 30.0m

Azimuth of Pol. at obsn.  $1^{\circ} 20' 18''$  E.

Bearing of reference mark, N.  $30^{\circ} 22' 48''$  E.

At the same station at 6h. 01.7m. a.m., l.m.t., I again observe Polaris with telescope reversed, reading an angle of  $29^{\circ} 02' 30''$  from star to same reference mark.

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

l.m.t. obsn. Pol. April 24, 6h. 01.7m.

Hour Angle, 5h. 22.0m.

Azimuth of Polaris at obsn.  $1^{\circ} 20'$  E.

Bearing of reference mark, N.  $30^{\circ} 22' 30''$  E.

The bearing of the reference mark as determined from the mean of the two observations is N.  $30^{\circ} 22' 39''$  E.

Accept bearing of ref. mark as N.  $30^{\circ} 23'$  E. Azimuth carried forward by sustained angulation.



CROOK MOUNT NATIONAL FOREST

STATE OF ARIZONA

Chains

RETRACEMENTS

April 24, 1919.

Beginning at the corner of Secs. 7, 12, 13 and 18, T. 1 N., Rs. 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.

39.96 Fall 17 lks. East of the 1/4 sec. cor. which is an out-cropping 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., 39.96 chs.

April 24, 1919.

BOUNDARIES OF CLAIM

April 25, 1919.

Beginning at Corner No. 1,

Identical with the Cor. to Secs. 7, 12, 13 and 18, T.

1 N., Rs. 12 and 13 E., heretofore described. I chisel 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., 36 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., whence:

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

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

Each blazed and scribed 1 H E S 554 + B T.

Lat. 33° 26' 15" N., Long. 111° 04' 19" W. from Forest service Base Map.

granite  
20 x 10 x 6  
15 in yr.

11 x 10 x 8  
above gr.

x on top  
for pt. ?



Chains Mag. Decl. at 6:00 a.m. is  $14^{\circ} 57'$  E., Mean mag. decl. is  $14^{\circ} 55'$  E.

Thence N.  $84^{\circ} 37'$  W.

Over level land, thru dense brush.

15.60 Small wash, course North.

22.36 To Cor. No. 2,

Deposit a red dacite stone  $3 \times 4 \times 6$  ins. chiseled +, 18 ins. in the ground, over which set a white limestone  $5 \times 15 \times 28$  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.  $76^{\circ} 00'$  E., 37 lks. dist.

A blackjack oak 14 ins. dia., brs. N.  $20^{\circ} 09'$  E., 13 lks. dist.

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

---

Thence N.  $25^{\circ} 47'$  W.

Over level land.

3.85 Middle of West Fork of Pinto Creek 150 lks. wide, banks 4 ft. high, running water 10 lks. wide, 5 ins. deep, course N.  $75^{\circ}$  E.

7.06 To Cor. No. 3.

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

A sycamore 10 ins. dia., brs. S.  $25^{\circ} 23'$  E., 200 lks. dist.

A blackjack oak 10 ins. dia., brs. S.  $14^{\circ} 40'$  W., 33 lks. dist.



## CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains	Each blazed and scribed 3 H E S 554 + B T.
	April 25, 1919.
	April 26, 1919.
	Thence N. 76° 28' 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 25 ft. to cor.
25.96	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., 36 ins. long, with brass cap, mkd. 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. 76° 28' W., of cor., whence:
	A blackjack oak 6 ins. dia., brs. S. 35° 04' E., 56 lks. dist.
	A blackjack oak 10 ins. dia., brs. S. 1° 45' E., 50 lks. dist.
	Each blazed and scribed C C 4 H E S 554 + B T
	Cor. to Secs. 7, 12, 13 and 18, heretofore described, brs. S. 0° 15' E., 14.52 chs. dist.
	1/4 cor. bet. secs. 7 and 12, heretofore described, brs. N. 0° 15' W., 25.44 chs. dist.
	Thence N. 88° 36' E.
	Desc. 55 ft. thru dense brush.
11.55	Trail, brs. NE. and SW.
12.50	Arroyo, 70 lks. wide, banks 6 ft. high, course SE.
	Ascend 75 ft. to cor.



CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

A cedar 20 ins. dia., brs. 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. Fences 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. 76° W. and S. 30° E. Ascend  
gradually 40 ft. over rolling land, thru heavy brush.  
Globe trail parallels line 2 to 6 links outside claim.  
Woven 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.

April 28, 1919.

AREA

Total Area - - - - - 52.52 Acres.

IMPROVEMENTS

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

- A sleeping tent 14 x 18 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., 2.30 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.,



CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

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. 55° 35' W., 3.65 chs. dist.  
from Cor. No. 1.

Value - - - - - \$ 35.00

A well 35 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 poul-  
try wire, covered with corrugated iron roof-  
ing, 12 x 14 ft., the long side of which ex-  
tends 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 18 ft., with 8 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 120 ft. x 70 ft., the  
long side of which extends S. 78° E. and  
the NE. cor. of which bears S. 66° 33' W.,  
6.30 chs. dist. from Cor. No. 5.

Value - - - - - \$150.00



PINTO CREEK NATIONAL FOREST

STATE OF ARIZONA

Chains

There are 308 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 16 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.

TRAVERSE

Course	Dist.	N.	S.	E.	W.
N. 84° 37' W.	22.36	2.10			22.26
N. 25° 47' W.	7.06	6.36			3.07
N. 76° 28' E.	25.96	6.07		25.24	
N. 88° 36' E.	19.25	.47		19.24	
S. 32° 33' E.	11.09		9.35	5.97	
S. 77° 22' W.	25.78		5.64		25.16
	111.50	15.00	14.99	50.45	50.49
		14.99			50.45
Error in Lat. and Dep.		.01			.04

Closing Error, 1:2706

Survey completed April 28, 1919.

*F. L. Kirby*  
\_\_\_\_\_  
Forest Ranger - 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. 554, STATE OF Arizona

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 84-37 W.	22.36 ✓	2 10 ✓			22 26 ✓	28 39 ✓	59 62 ✓	
2-3	N. 25-47 W.	7.06 ✓	6 36 ✓			3 07 ✓	3 07 ✓	19 53 ✓	
3-4	N. 76-28 E.	25.96 ✓	6 07 ✓		25 24 ✓		25 25	153 02	
4-5	N. 88-36 E.	19.25 ✓	47 ✓		19 24 ✓		69 75	32 78	
5-6	S. 32-33 E.	11.09 ✓		9 35 ✓		5 97	94 97		887 97
6-1	S. 77-22 W.	25.78 ✓		5 64 ✓		25 16 ✓	75 79 ✓		427 46 ✓
		111.50 ✓	15 00 ✓	14 99 ✓	50 45	50 49 ✓		264 95	1315 43
			<u>14 99</u>	<u>14 99</u>	<u>50 47</u>	<u>50 45</u>			264 95
	Error in Lat. and Dep.		01			04			20/1050 48
	Closing error	1:2706							52 52 Acres E

1315.43  
264.95  
1050.48

201



( Copy )

April 28, 1919.

I, Rae Clark, hereby agree to the survey of my home-  
stead, 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,



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both manual and automated processes, highlighting the challenges of data integration from multiple sources. The goal is to create a comprehensive and reliable dataset for further analysis.

The final part of the document provides a summary of the findings and offers recommendations for future work. It suggests that ongoing monitoring and updates to the data collection process are essential to maintain the accuracy and relevance of the information over time.

CONFIDENTIAL



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. L. Kirby, Forest Ranger* [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.

  
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.