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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

241
676-87519
APR 23 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 557

SITUATED IN THE CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 5 , unsurveyed, Township 2 N. , Range 16 E.

In Section 8 , unsurveyed, Township 2 N. , Range 16 E.

of the

Gila & Salt River Base and Meridian.

State of
Arizona



Applicant for listing Sam Wood

Residence Globe, Arizona.

Application No. 247 , dated March 25, , 1913

List No. 3-2781 , dated September 2, , 1913

Applicant for survey Crill M. Winters

Residence Globe, Arizona.

H. E. No. 026750 , dated July 29, , 1915,

Office
Land District Phoenix, Arizona.

Survey executed by F. L. Kirby, Forest Ranger, Forest Service
[Forest Service Title.]

Under special instructions dated February 15 , 1918

Survey commenced March 19 , 1919

Survey completed March 20 , 1919

Under Acts of June 11, 1906 and Oct. 1, 1918.

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. **557**, 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**.

Bill Thornhill

Chainman

Subscribed and sworn to before me this *second* day of

August, 19*19*.

Heinrich Thomas

Notary Public

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 15, 19*18*, 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. **3-2781**, dated **September 2**, 19*13*, for
Patent , under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **557**,
situated within the **Crook** National Forest, in
unsurveyed Section **5**, Township **2 N.**, Range **16 E.**, and
unsurveyed Section **8**, Township **2 N.**, Range **16 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

24

day of

July

, 19*19*.

Heinrich Thomas

Notary Public

My commission expires Feb. 21. 1920



CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Sam Wood; Application No. 247, dated March 25, 1913; List No. 3-2781, dated September 2, 1913; H. E. 026750 made in the Phoenix Land Office on July 29, 1915 by Crill M. Winters.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 15, 1918, and designated as Homestead Entry Survey No. 557.

Situated in what will probably be when surveyed Secs. 5 and 8, T. 2 N., R. 16 E., Gila and Salt River Base and Meridian, within the Crook National Forest, Arizona.

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

Survey commenced March 19, 1919, and executed with an A Lietz Mining Transit No. 6384, with Saegmuller 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 400 link steel tape. The slope angles were determined with a clinometer.

March 19, 1919.

At Cor. No. 1 of this survey, hereinafter described, in Lat. $33^{\circ} 32' 04''$ N., Long. $110^{\circ} 41' 21''$ W. from Forest Service Base Map, at 7h. 53.2m. p.m., l.m.t., I observe Polaris with telescope direct, reading an angle of $20^{\circ} 02' 30''$ from star to reference mark. Mark is West of star.

Greenwich m.t. U.C. Pol. Mar. 19, 1h. 46.4m. p.m.

Corr. for Long. 1.2

l.m.t. U. C. Pol. Mar. 19, 1h. 45.2m. p.m.

l.m.t. obsn. Pol. Mar. 19, 7h. 53.2m. p.m.

Hour angle of Pol. at obsn. 6h. 08m.

Azimuth of Polaris at obsn. $1^{\circ} 20' 54''$ W.

Bearing of reference mark, N. $21^{\circ} 23' 24''$ W.

Chains

At same station at 7h. 59.2m. p.m., l.m.t., I again observe Polaris with telescope reversed, reading an angle of $20^{\circ} 03'$ from Star to Reference Mark.

l.m.t. U. C. Pol. Mar. 19, 1h. 45.2m. p.m.

l.m.t. obsn. Pol. Mar. 19, 7h. 59.2m. p.m.

Hour Angle of Pol. at obsn. 6h. 14.0m.

Azimuth of Pol. at obsn. $1^{\circ} 20' 36''$ W.

Bearing of Reference Mark, N. $21^{\circ} 23' 36''$ W.

Mean bearing of Reference Mark is N. $21^{\circ} 23' 30''$ W.

and to the meridian thus determined all the courses of this survey are referred by sustained angulation.

BOUNDARIES OF CLAIM

Mar. 20, 1919.

Beginning at Cor. No. 1.

Identical with Cor. H-4 of the list survey, which is a diabase stone 4 x 10 x 6 ins. above ground, mkd. 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. mkd. with a + 22 ins. in the ground, over which set an iron post 2 ins. dia., 36 ins. long, with brass cap mkd. 1919 on S. rim and 1 H E S 557 in quadrant facing the claim; raise a mound of stone 3 ft. base, 2 ft. high, N. of cor., whence:

• A blackjack oak 6 ins. dia., brs. N. $17^{\circ} 00'$ W.,
• 180 lks. dist. blazed and scribed 1 H E S 557
+ B T.

A + on a granite boulder in place showing 4 x 7

x 3 ft. above ground; chiseled 1 H E S 557 +

B R bears N. $68^{\circ} 00'$ E., 276 lks. dist.

Mile post No. 2 on W. bdy. of White Mtn. Indian

Reservation, an iron post 3 ins. dia., 12 ins.

above ground, with brass cap, mkd. and wit. as

described by the Surveyor General brs. S. $52^{\circ} 57' 34''$.

CROOK NATIONAL FOREST

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Chains	99.47 chs. dist. by traverse which appears at the end of these notes.
	Lat. $33^{\circ} 32' 04''$ N. Long. $110^{\circ} 41' 21''$ W. from Forest Service Base Map.
	Mag. decl. at 8 a.m. is $15^{\circ} 08'$ E. Mean mag. decl. is $15^{\circ} 05'$ E.
	Thence N. $63^{\circ} 35'$ W.
	Asc. 10 ft. through dense brush.
2.50	Top of asc., thence across mesa through dense brush.
6.50	Edge of mesa. Desc. 50 ft. through dense brush.
8.20	Small ravine, course N. Asc. 60 ft. through dense brush.
12.80	Top of ridge, bears NE and SW. Desc. 40 ft. through dense brush.
15.00	Small ravine, course N. Asc. 30 ft. through dense brush.
18.50	Top of asc. on mesa. Desc. gradually through dense brush.
24.00	Small ravine, course N.
24.41	To Cor. No. 2.
	Identical with Cor. H-3 of the list survey, which is a red sandstone 16 x 18 x 14 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a white dacite 3 x 4 x 6 in. marked with a + 16 ins. in the ground, over which set a blue sandstone 5 x 12 x 24 ins. chiseled + for the point and 2 H. E. S. 557 on NE. face; raise a mound of stone 3 ft. base 2 ft. high E. of cor., whence:
	A sycamore 6 ins. dia. bears N. $41^{\circ} 20'$ E. 119 lks. dist.
	A sycamore 6 ins. dia. bears N. $5^{\circ} 45'$ W. 116 lks. dist.
	Each blazed and scribed 2 H E S 557 + B T.
	Thence N. $24^{\circ} 29'$ E.
.90	S. bank of Corral Gulch (dry), bank 6 ft. high, course E.
1.35	N. bank of Corral Gulch (dry), bank 2 ft. high, course E.

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Chains Thence across flat.

4.40 Base of hill. Asc. gradually 12 ft.

6.78 To Cor. No. 3,

Identical with Cor. H-2 of the list survey, which is a red quartzite stone 6 x 8 x 14 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a red sandstone 4 x 5 x 5 ins. marked with a + 18 ins. in the ground, over which set a white sandstone 5 x 14 x 26 ins. chiseled + for the point and 3 H E S 557 on S. face; raise a mound of stone 3 ft. base 2 ft. high S. of Cor., whence:

A cedar 6 ins. dia. bears South 215 lks. dist.

A blackjack oak 8 ins. dia. bears S. 65° 15' W. 151 lks. dist.

Each blazed and scribed 3 H E S 557 + B T.

Thence S. 66° 09' E.
over gentle SW. slope.

23.39 To Cor. No. 4,

Identical with Cor. H-1 of the list survey, which is a brown diabase stone 10 x 12 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a red sandstone 4 x 6 x 6 ins. marked with a + 18 ins. in the ground, over which set a gray granite stone 12 x 16 x 30 ins. chiseled + for the point and 4 H E S 557 on W. face; raise a mound of stone 3 ft. base 2 ft. high W. of cor., whence:

A sycamore 16 ins. dia. bears S. 55° 53' W. 330 lks. dist., blazed and scribed 4 H E S 557 + B T.

A + on a granite boulder in place showing 10 x 16 x 6 ft. above ground chiseled 4 H E S 557 + B R bears S. 13° 16' W. 156 lks. dist.

TERRO CROOK NATIONAL FOREST

STATE OF ARIZONA.

Chains Thence S. 17° 07' W.
Desc. 70 ft. over S. slope.
1.10 W. edge of box canyon of Corral Gulch (dry), bank 4 ft.
high, 40 lks. wide, course E.
1.50 S. bank Corral Gulch, bank 8 ft. high, course E. Asc.
abruptly 65 ft.
1.80 Top rock rim of box canyon of Corral Gulch. Asc. 20 ft.
gradually along NW. slope.
7.92 To Cor. No. 1, the place of beginning.

AREA

Total Area 17.47 Acres
(and not 16.38 acres as given in the list survey).

IMPROVEMENTS

The improvements made upon and for the benefit of this
claim and belonging to the claimant consist of the fol-
lowing:

A frame dwelling 22 x 12 ft., the long sides extending
E. and W., the SE. cor. of which bears N. 21° 30' W.
5.80 chs. from Cor. No. 1.

Value \$350.00

A frame storehouse with corrugated iron roof, 10 x 12 ft.
the long sides extending E. and W., the SE. cor. of
which bears N. 37° 00' W. 5.85 chs. from Cor. No. 1.

Value \$ 70.00

A pole roundup corral 70 ft. in diam., the center of which
bears N. 7° 00' W. 2.50 chs. from Cor. No. 1.

Value \$ 75.00

Approximately 1/4 mile of barbed wire fence on the claim.

Value \$ 60.00

GENERAL DESCRIPTION

The claim is situated on Corral Gulch, a tributary of the
San Carlos River, and is surrounded by low rolling
hills. The elevation is approximately 3,620 ft.
The agricultural portion of the claim is comparatively

CROOK NATIONAL FOREST

STATE OF ARIZONA.

Chains

flat and level, and is a rich sandy loam. It is capable of very intensive cultivation if permanent water can be procured for it. Its main value at present is for a headquarters cattle ranch. Water for domestic use is obtained from the box canyon of Corral Gulch near the house, where water comes to the surface throughout the year.

There is no merchantable timber on the claim.

There are no indications of mineral on the land.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

Globe, Arizona, the nearest postoffice, trading point and railway station is twenty miles in a southwesterly direction. There is no road to the claim, and the only means of travel is by trail.

TRAVERSE

Course	Dist.	N.	S.	E.	W.
N. 63° 35' W.	24.41	10.86			21.86
N. 24° 29' E.	6.78	6.17		2.81	
S. 66° 09' E.	23.39		9.46	21.39	
S. 17° 07' W.	7.92		7.57		2.33
	62.50	17.03	17.03	24.20	24.19

Error in Lat. and Dep.
Closing error 1:6250

TRAVERSE FOR TIE FROM COR. NO. 1 TO MILE POST NO. 2 OF
WHITE MOUNTAIN INDIAN RESERVATION

Course	Dist.	N.	S.	E.	W.
N. 17° 07' E.	7.92	7.57		2.33	
S. 57° 53' E.	85.93		45.68	72.78	
S. 11° 07' E.	22.23		21.81	4.29	
		7.57	67.49	79.40	
			7.57		
			59.92	79.40	

Resultant course S. 52° 57' 34" E. 99.47 chs.

Note: Any discrepancy between these field notes and those of the listing survey is due to error in the latter.

Survey completed March 20, 1919.

F. H. 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. 557, STATE OF ARIZONA

[illegible]

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, April 28, 1920

The foregoing field notes of Homestead Entry Survey No.

557

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.