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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

ORIGINAL

FIELD NOTES

EXCHANGE

~~XXXXXXXXXXXXXXXXXX~~ SURVEY NO. 650

SITUATED IN THE CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 3, surveyed, Township 2 S., Range 12 E.

of the
Gila and Salt River Base and Meridian.

State of

Arizona.

SECTION TO BE MADE

INTRODUCTION

The purpose of this field note is to record the results of the exchange of land between the United States and the State of Arizona, as provided for by the Act of March 3, 1909, and the Act of August 9, 1916.

The land to be exchanged is situated in the Crook National Forest, in the administrative district of No. 3, in the Gila and Salt River Base and Meridian, in the State of Arizona.

Applicant for listing

Residence _____

Application No. _____, dated _____, 19____

List No. _____, dated _____, 19____

Applicant for survey

Residence _____

H. E. No. _____, dated _____, 19____

Land Office

Survey executed by C. A. Long, District Engineer, Forest Service
[Forest Service Title.]

Under special instructions dated _____, 19____

Survey commenced September 8, 1926

Survey completed September 9, 1926

Under Acts of March 20, 1922, and May 11, 1926



OATH OF ASSISTANTS

We hereby certify that we assisted C. A. Long
District Engineer, U. S. Forest Service in surveying all those
[Forest Service Title.] Exchange

parts or portions of ~~Homestead Entry~~ Survey No. 650, 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 Oaths
to Assistants; hence they
were taken by the Surveyor.

Andronico Ramirez
Ramon M. Lopez

Subscribed and sworn to before me this 9th day of
September, 1926.

C. A. Long
District Engineer, U. S. Forest Service.

OATH OF SURVEYOR

I, C. A. Long, District Engineer, U. S. Forest Service
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-
tions of the ~~United States Surveyor General~~ Office of Public ~~Land~~ Surveys,
dated 1926, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, surveyed a tract
of land

~~No.~~ 19, dated 19, for EXCHANGE
Exchange under the Acts of March 20, 1922, ~~1922~~ and May 11, 1926
the same to be known as ~~Homestead Entry~~ Survey No. 650
situated within the Crook National Forest, in
surveyed Section 3, Township 2 S., Range 12 E., and
~~surveyed Section~~, ~~Township~~, ~~Range~~

of the Gila & 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

C. A. Long
District Engineer, U. S. Forest Service.
[Forest Service Title.]

Subscribed and sworn to before me this 24th day of
September, 1926.

Bonnie M. Brewer
Notary Public



My commission expires: 1/30/28

Chains

The tract of land embraced in this survey is occupied under special use permit of the Forest Service by the Kelvin Lumber Company and H. Layton, for which they desire to secure patent in exchange for other lands of equal value desired by the Forest Service.

The tract of land herein described is situated in Sec. 3, T. 2 S., R. 12 E., Gila and Salt River Base and Meridian, Crook National Forest, Arizona.

Surveyed in accordance with special instructions from the Office of Public Surveys for the State of Arizona, dated and under the Acts of March 20, 1922, and May 11, 1926.

Survey commenced September 8, 1926, and was executed with a Buff and Buff transit No. 10802, equipped with a Smith solar attachment.

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

All distances were measured directly on the slopes with a 500 link steel tape and reduced to the horizontal from slope angles read with a clinometer.

September 8, 1926.

At the NE. Cor. of the Magma Arizona Railroad Station Grounds Easement, hereinafter described, in Latitude $33^{\circ}17'25''$ N., Longitude $111^{\circ}06'37''$ W., from Public Survey Office Plat of T. 1 S., R. 12 E., Gila and Salt River Base and Meridian, Arizona, at 6h 11m 30s p.m. standard time, I observe Polaris with telescope direct and read an angle of $44^{\circ}48'00''$ from star to right to a reference mark about two miles distant. My watch was compared today with Western Union time and made to read correct 105th meridian standard time, which by the difference in longitude is 24'26" fast on l.m.t.

G.M.T. U. C. Polaris, September 8, 1926, (Civil date)	2h 30m 12s
Sideral Correction	1m 12s
	2h 29m 04s
L.M.T. of observation + 12 hours	17h 47m 04s
Hour angle	15h 18m 04s

2.

Chains

Azimuth of Star $180^{\circ}59'50''$

+ $44^{\circ}48'00''$

Azimuth of mark = $225^{\circ}47'50''$

- $180^{\circ}00'00''$

Bearing of mark N. $45^{\circ}47'50''$ E.

At the same point, I reverse the telescope and at 6h 16m 0s p.m. standard time, I again observe Polaris, reading an angle of $44^{\circ}47'00''$ from star to right to reference mark.

G.M.T. U. C. Polaris, September 8, 1926 (Civil date) 2h 30m 12s

Sideral Correction 1m 12s

2h 29m 00s

L.M.T. of observation + 12 hours 17h 51m 34s

Hour angle 15h 22m 34s

Azimuth of star $181^{\circ}00'16''$

+ $44^{\circ}47'00''$

Azimuth of mark = $225^{\circ}47'16''$

- $180^{\circ}00'00''$

Bearing of mark N. $45^{\circ}47'16''$ E.

The mean of the two observations gives the bearing of reference mark as N. $45^{\circ}47'33''$ E., from which the courses of this survey are referred.

September 9, 1926.

RETRACEMENTS

Beginning at the NE. Cor of The Magma Arizona Railroad Station Grounds Easement at Superior, Arizona, which is a wooden post 4x4x24" above ground, with a tack in center and firmly set.

Thence S. $27^{\circ}40'00''$ W.

on the record course.

23.81 Fall 2 lks. east of the remains of a 4x4" wooden post in mound of stone, making an angle point on the East boundary of the Magma Arizona Railroad Station Grounds Easement at Superior, Arizona. To perpetuate this Cor., I set a porphyry stone 10x16x26", 18 ins.

EXCHANGE

HOMESTEAD ENTRY SURVEY NO. 650

CROOK NATIONAL FOREST

STATE OF ARIZONA

Form 85.
Sheet No. 2.

Chains

in the ground, marked with a + on top and M.A.R.C. on W. face.

I place the old post alongside and raise a mound of stone 3 ft. base 2 ft. high NW. of the Corner, two feet distant. No witnesses available.

True bearing of the course is S. 27°43'00" W. 23.81 chains.

September 9, 1926.

BOUNDARIES OF EXCHANGE SURVEY No. 650

Beginning at Cor. No. 6 of Exchange Survey 651, which is a porphyry stone 12x14x26", set 18 ins. in the ground over a red sandstone 3x4x6", marked with a +, and marked 6 E.S. 651 on NE. face, and M.A.R.C. on W. face, with a + on top for the point, I mark the same stone 1 E.S. 650 on South face for Cor. No. 1 of this survey and raise a mound of stone 3 ft. base, 2 ft. high, south of Cor. 2 ft. distant. An 8x10 post in west abutment of railroad bridge marked 6+ES 651 B.O. bears N. 27°05'00" E. 18 lks. distant.

An 8x10 post in East abutment of railroad bridge, marked 1+ES 650 B.O. bears N. 76°23'00" E. 25 lks. distant. The NE. Cor. of the Magna Arizona Railroad Station Grounds Easement at Superior, Arizona, bears N. 27°43'00" E. 2.84 chs. distant.

The ~~land~~ Cor. to Secs. 34 and 35, T. 1 S., R. 12 E., Gila and Salt River Base and Meridian, marked and witnessed as described by the Public Survey Office for Arizona, bears N. 59°04'00" W. 17.63 chs. by traverse, which appears at the end of these notes.

Latitude 33°17'25" N., Longitude 111°06'37" W. from Public Survey Office Plat of T. 1 S., R. 12 E., Gila and Salt River Base and Meridian.

Magnetic declination at 8 a.m. 15°30'00" E., mean magnetic declination 15°27'00" E.

Thence S. 57°15'00" E.

Along line 6 - 5 of E.S. No. 651.

4.33 To Cor. No. 2.

EXCHANGE
HOMESTEAD ENTRY SURVEY NO. 650

CROOK NATIONAL FOREST

STATE OF ARIZONA

4.

Chains

Identical with Cor. No. 5 of E. S. 651, which is an iron post 2" dia. with brass cap, set 24" in the ground and marked 5 ES 651 in NW. quadrant, and 1926 on S. rim of brass cap. I mark 2 ES 650 in the segment of the brass cap facing this claim for Cor. No. 2 of this survey. Pits and mound impracticable.

The SE. Cor. of brick office building of the Standard Oil Co. bears N. 25°08'00" E. 56 lks. dist.

The SE. Cor. of Galvanized iron store room of the Standard Oil Co. bears N. 33°10'00" W. 103 lks. distant. No other witnesses available.

Thence S. 49°07'00" W.

0.87 Wire fence bears N. 45°51'00" W. and S. 45°51'00" E.

0.89 To Cor. No. 3.

Set a porphyry stone 18x18x24", 20 ins. in the ground, over a porphyry stone 4x5x6", marked with a +. Corner stone marked with a + on top and 3 ES 650 on NW face. Pits and mound impracticable.

NE. Cor. of frame lumber shed bears N. 45°51'00" W. 46 lks. distant.

SE. Cor. of frame cement shed bears N. 16°32'00" W. 60 lks. distant.

SE. Cor. of frame lumber shed bears S. 60°41'00" W. 91 lks. distant.

Thence S. 69°08'00" W.

0.72 Line cuts side of frame building from which the SE. Cor. bears S. 30°30'00" W. 21 lks., and the NE. Cor. bears N. 30°30'00" E. 69 lks.

2.11 Wire fence bears N. 37°42'00" W. and S. 37°42'00" E.

2.12 NE. Cor. of frame dwelling of H. Layton bears N. 81°14'00" W. 41 lks. distant.

6.04 To Cor. No. 4.

On the E. boundary of the Magma Arizona Railroad Station Grounds Easement, at Superior, Arizona.

Set a porphyry stone 14x14x30", 20 ins in the ground, marked a + on top, M.A.R.C. on W. face and 4 ES 650 on side facing the claim.

EXCHANGE
HOMESTEAD ENTRY SURVEY NO. 650

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Deposit a porphyry stone 4x4x6", marked with a + under the corner stone.

Raise a mound of stone 3 ft. base, 2 ft. high within the claim.

A + on the W. abutment of a concrete bridge on the Superior-Phoenix Highway, marked 4 ES 650 B.O. bears S. 47°15'00" W. 66 lks. distant. No other bearing objects available.

The NE. Cor. of Magma Arizona Railroad Station Grounds Easement at Superior, Arizona, bears N. 27°43'00" E. 8.58 chs. distant.

Thence N. 27°43'00" E.


Along the E. Boundary of Magma Arizona Railroad Station Grounds Easement at Superior, Arizona.

5.74 To Cor. No. 1, the place of beginning.

AREA

Total area 1,328 acres.

Survey completed September 9, 1926.


District Engineer,
U. S. Forest Service.

24

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

<p>1. ...</p>	<p>2. ...</p>	<p>3. ...</p>	<p>4. ...</p>	<p>5. ...</p>	<p>6. ...</p>	<p>7. ...</p>	<p>8. ...</p>
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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.

EXCHANGE

TABLING AND CALCULATIONS OF ~~HOMESHEAD ENTRY~~ SURVEY NO. 650, STATE OF ARIZONA

R-2340

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1 - 2	S.57°15'00" E.	4.33		2 54	3 64		8 98		21 01
2 - 3	S.49°07'00" W.	0.89		58		67	11 95		6 95
3 - 4	S.69°08'00" W.	6.04		2 15 ⁶		5 64	5 64		12 18
4 - 1	N.27°43'00" E.	5.74	5 08		2 67		2 67	13 56	
		17.00	5 08	5 07	6 31	6 31		13 56	40 12
									13 56
									20/ 26 56
									1.328 acres
			Tie from Cor. No. 1 to Sta Cor. of Secs. 34 and 35, T. 1 S., R. 12 E.						
	N.27°43'00" E.	2.84	2 51		1 32				
	N.62°20'00" W.	6.06	2 81			5 37			
	N.69°24'00" W.	10.61	3 73			9 93			
	N.89°33'00" W.	1.14	01			1 14			
			9 06			16 44			
						1 32			
						15 12			
	S.59°04'00" E.	17.63		9 06	15 12				

APPROVAL

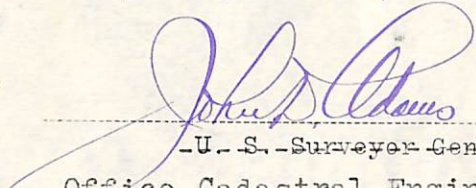
PUBLIC SURVEY OFFICE
Office of the United States Surveyor General,

Phoenix, Arizona, Oct. 12, 1926

The foregoing field notes of ~~Homestead Entry Survey No.~~

EXCHANGE SURVEY NO. 650

executed by C. A. Long, District Engineer, Forest Service
[Forest Service Title.]
under his special instructions, dated _____, 191____, 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.
Office Cadastral Engineer.

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.

John D. Adams
-U. S.-Surveyor-General.
Office Cadastral Engineer

101

I certify that the foregoing is a true and correct copy of the original as the same appears in the files of the United States Bureau of Census.

Very truly yours,

 Director

Director, Bureau of Census