U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

EXCHANGE
MONUMENT SURVEY NO. 651

SITUATED IN THE Cahoo NATIONAL FOREST
ADMINISTRATIVE DISTRICT NO. 3

In Section 8, surveyed, Township 2 S., Range 12 E.

of the
Gila and Salt River Base and Meridian.
State of Arizona.

Survey executed by C. A. Long, District Engineer, Forest Service
Under special instructions dated 19-
Survey commenced September 5, 19-
Survey completed September 9, 19-
Under Acts of March 20, 1922, and May 11, 1925
OATH OF ASSISTANTS

We hereby certify that we assisted C. A. Long in surveying all those parts or portions of Homestead Entry Survey No. 651, 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 Oaths to assistants; hence they were taken by the Surveyor.

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

[Signature]
District Engineer, Forest Service

OATH OF SURVEYOR

I, C. A. Long, District Engineer, Forest Service, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Office of Public Survey, 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 situated within the National Forest, in the same to be known as Homestead Entry Survey No. 651, Crook surveyed Section 2, Township 2 S., Range 12 E., and

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

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

[Signature]
District Engineer, Forest Service

Notary Public

Commission expires: 7/30/28
EXCHANGE
HOMESTEAD-ENTRY SURVEY NO. 651
CROOK NATIONAL FOREST
STATE OF ARIZONA

Chains

The tract of land embraced in this survey is occupied, under special use permit of the Forest Service, by the Standard Oil Company in the sale and distribution of its products, and the Company desires to secure patent for this tract in exchange for other lands of equal value desired by the Forest Service.

The tract of land hereinafter 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 basement, hereinafter described, in 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, Arizona, at 6h. 11m. 30s. P.M., standard time, I observe Polaris with telescope direct and read an angle of 44°48'00" from star to right to a reference mark approximately 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 24'25" fast on L.H.T.
At the same point I reverse the telescope and read an angle of 44°57'00" from star to right to the same reference mark.

G.M.T. U.C. Polaris, 6th/12th, 1936 (Civil date), 2h 3m 12s.

L.H.F. of Observation + 12 hours
Hour angle = 44°57'00"

Asimuth of mark = 225°47'11.6"

Consequent Table of Sidereal Correion on L.H.F. of Observation + 12 hours

Asimuth of star = 181°00'11.6"

Asimuth of mark = 225°47'11.6"

The mean of the two Observation gives the bearing of reference mark as 44°57'00", from which all the courses of this survey were determined.
Chains

Fall 2 1/4 N. of the remains of a 4' x 4' wooden post in mound of stone, making an angle point on the E. boundary of the Magua Arizona Railroad Station Grounds Basement at Superior, Arizona.

To perpetuate this Cor., I set a porphyry stone 10' x 8' x 25"., 18 ins. in the ground, marked M.A.R.C. on N. face with a + on top. I place the old post alongside and raise a mound of stone 5' base 3' high NW. of the Cor. 2 ft. distant. No witnesses available.

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

September 9, 1929.

Boundaries of Exchange Survey No. 651.

I set a porphyry stone 14' x 6' x 25", 18 ins. in the ground over a limestone 3' x 2' x 4", marked with a +, marked a + on top, 1 E.S. 651 on S. face, and M.A.R.C. on NW. face, for Cor. No. 1 of this survey. Raise a mound of stone 3 ft. base, 3 ft. high S. of Cor. 2 ft. distant. Fits impracticable, no bearing trees or objects available.

The Cor. to Secs. 34 and 35, T. 1 S., R. 12 E., marked and witnessed as described by the Public Survey Office for Arizona, bears N. 55°16'00" W. 17.60 chains by traverse, which appears at end of these notes.

The NE. Cor. of Magua Arizona Railroad Station Grounds Basement at Superior, Arizona, heretofore described, bears N. 27°43'00" W. 1.85 chs. distant.

Latitude 33°17'26" N., Longitude 111°06'37" W. from Public Survey Office plat of T. 1 S., R. 12 E.

Magnetic declination at 8:00 a.m. 15°20'00" E., mean magnetic declination 15°27'00" E.

The NE. 37°07'00" E.

Along S. boundary of squatter's claim of C. O. Brown, over open level land and along S. side of wire fence 1 link distant.

To Cor. No. 2.
EXCHANGE
HOMESTEAD ENTRY SURVEY NO. 661
CHUCK NATIONAL FOREST
STATE OF ARIZONA

Chains
Set a limestone 16 x 16 x 3/4", 24 ins. in the ground, over a limestone 2 x 2 x 4", marked with a +, marked a + on top, for the point and 2 E.S. 651 on S. face. Raise a mound of stone 4 ft. base, 3 ft. high S. of Cor. Pins impracticable, no bearing trees or objects available.

Theme N. 38° 13' E.
Over open, level land, along E. side of wire fence 2 lks. distant and along boundary of C. O. Brown squatter claim.

2.60
To Cor. No. 3.
Set a porphyry stone 16 x 16 x 24", 16 ins. in the ground, over a limestone 2 x 2 x 6", marked with a +, marked a + on top and 5 E.S. 651 on S. face. Raise a mound of stone 3 ft. base, 2 ft. high, 2 ft. S. of Cor. Pins impracticable, no bearing trees or objects available.

Theme S. 44° 01' 00" E.
Along SW side of wire fence 2 lks. distant and along SW boundary of C. H. Bouten's squatter claim.

0.08
Cross wire fence bearing N. 38° 12' 00" E. and S. 38° 13' 00" W.

1.67
NW. Cor. galvanized iron garage bears South 2 lks. distant.

1.99
NE. Cor. galvanized iron garage bears South 2 lks. distant.

2.74
SW. Cor. of Concrete Block store building of C. H. Bouten bears N.

1 1/2 lks. distant.

2.64
To Cor. No. 4.
Set a 2" iron post, 24" in the ground, with brass cap, marked 4 E.S. 651 in SW. quadrant and 1926 on S. rim of cap. Deposit a diorite stone 2 x 2 x 3", marked with a +. Pins and mound impracticable.

SW. Cor. of concrete block store building of C. H. Bouten bears North 1 1/2 lks. distant.
Cor. of wire fence bears S. 44° 10' 00" E. 16 lks. distant. No other witnesses available.
Chains

Thence 3. 49°07'00" W.
Parallel to and 16 lks. West of wire fence.

1.96
Wire fence bears S. 57°00'00" E. and N. 57°00'00" W.

2.37
To Cor. No. 5.

Set an iron post 2" dia., 24" in the ground, with brass cap marked S.R.S. 651 in NW. quadrant and 1926 on S. rim of cap. Deposited a porphyry stone 2x4x6" marked with a +. Pits and mound impracticable.

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

The SE. Cor. of galvanized iron store rooms of the Standard Oil Company bears N. 25°10'00" W. 103 lks. distant.

Thence N. 57°15'00" W.
over open level land.

4.33
To Cor. No. 6

Set a porphyry stone 12x14x26", 18" in the ground, over a red sandstone 3x4x6" marked with a +, marked S.R.S. 651 on NE. face and N.A.R.O. on West face, and a + on top.

Raise mound of stone 3 ft. base 2 ft. high NE. of Cor. 2 ft. distant. Pits impracticable.

An 8' x 10" post in bridge abutment marked + 6 E.S. 651 E.O. bears N. 27°05'100" E. 18 lks. distant.

The NE. Cor. of Magma Arizona Railroad Station Grounds Basement at Superior, Arizona, bears N. 27°45'00" E. 2.84 chs. distant.

Thence N. 27°45'00" E.
Along W. boundary of Magma Arizona Railroad Station Grounds Basement at Superior, Arizona.

0.25
Pass under R.R. bridge.

0.99
To Cor. No. 1, the place of beginning.
EXCHANGE
HOMESTEAD-ENTRY SURVEY NO. 661
CROOK NATIONAL FOREST
STATE OF ARIZONA

Chains

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<th>AREA</th>
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<td>Total Area</td>
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Survey completed September 9, 1926.

[Signature]

District Engineer, Forest Service.
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Closing error 1/1551

Tie from Cr. #1 to Cor. of Secs. 24 and 25, T. 1 S., R. 12 E.

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1,015 acres
APPROVAL

PUBLIC SURVEY OFFICE
Office of the United States Surveyor General,

Phoenix, Arizona, October 12, 1926

The foregoing field notes of

Homestead Entry Survey No.

EXCHANGE SURVEY NO. 651

executed by C. A. Long, District Engineer, Forest Service
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.

[Signature]
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