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117 Jan. 4, 1930

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

FIELD NOTES

OF  
EXCHANGE SURVEY NO. 655  
~~HOMESTEAD-ENTRY-SURVEY-NO.~~

SITUATED IN THE COCONINO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 25

Township 17 N. , Range 8 E.

of the

Gila and Salt River Base and Meridian.

State of

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 L. C. Daves, Chief Surveyor

[Forest Service Title.]

Under special instructions dated November 5 , 19 28

Survey commenced May 15 , 19 29

Survey completed May 16 , 19 29

Under Acts of March 20, 1922 and May 16, 1928

OATH OF ASSISTANTS

We hereby certify that we assisted

in surveying all those

[Forest Service Title.]

parts or portions of Homestead Entry Survey No. , in the State of 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

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Subscribed and sworn to before me this day of , 19 .

OATH OF SURVEYOR

I, C. A. Long, District Engineer

[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona , dated November 5 , 1928 , and the laws of the United States, ~~XXXXX~~ L.C. Daves has well, faithfully, and truly, in <sup>his</sup> own proper person, surveyed a tract of land as a basis of exchange, under my direction and supervision, the said L.C. Daves now being out of the Service.

, No. , dated , 19 , for Exchange, under the Act of March 20 , 19 22 , & May 16, the same to be known as ~~Homestead Entry~~ Survey No. 655 , 1928, situated within the Coconino National Forest, in surveyed Section 25 , Township 17 N. , Range 8 E. , and surveyed Section , Township , Range ,

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~~ under my direction 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.

*C. A. Long*  
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C. A. Long  
District Engineer  
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[Forest Service Title.]

Subscribed and sworn to before me this Second day of January , 1930.



MY COMMISSION EXPIRES JUNE 20, 1931  
8-2349

*Jessie R. C. Beyer*  
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Notary Public  
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EXCHANGE SURVEY NO. 655  
~~HOMESTEAD ENTRY SURVEY NO.~~

COCONINONATIONAL FOREST

STATE OF ARIZONA

Chains . . . The tract of land embraced in this survey is for disposition under the Exchange Acts of March 20, 1922 and May 16, 1928.

Surveyed under special instructions from the Office of Public Surveys for Arizona dated November 5, 1928 and designated as Exchange Survey No. 655.

Survey commenced May 15, 1929 and executed with Buff and Buff transit No. 14631.

The adjustments of the transit were examined and the necessary corrections made before commencing the survey.

All distances are horizontal and were reduced from measurements made directly on the slopes with a 500 link steel tape. The slopes were determined with the transit.

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Note: The descriptions of this tract of land given in the request for special instructions were in error. The land is situated in Sec. 25, T. 17 N., R. 8 E., instead of T. 16 N., R. 8 E.

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The courses of this survey are determined through sustained angulation from Cor. No. 1 where an observation for azimuth was made. The reference mark was a stake at what was later made Corner No. 4 of this survey. The bearing of this reference mark was computed to be S. 89°30'22" E. The details of the observation and computations are attached to these notes.

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May 16, 1929.

At Cor. No. 1, identical with List Cor. H/2, which I destroy.

Deposit a basalt stone 3x5x7 ins., marked with a cross, 20 ins. in the ground, over which set a basalt stone 28x18x12 ins., marked 1 ES 655 on NE face and a cross on top.

Chains Yellow pine 18 ins. in diam. bears S.  $44^{\circ}50'$  W. 73 lks. dist.

Yellow pine 8 ins. in diam. bears N.  $50^{\circ}20'$  W. 143 lks. dist.

Both trees marked 1 ES 655 + BT.

The 1/4 sec. cor. bet. Secs. 25 and 36, T. 17 N., R. 8 E., which is a volcanic stone 12x8x9 ins. above ground, firmly set, marked and witnessed as described by the Office of Public Surveys, bears S.  $62^{\circ}13'$  W. 8.82 chs. dist. by direct measurement.

Latitude  $34^{\circ}49'10''$  N., longitude  $111^{\circ}29'54''$  W. from the Geological Survey Advance Sheet, Camp Verde Quadrangle.

The observed magnetic variation at 8:00 A.M. is  $14^{\circ}30'$  E., which gives a mean magnetic variation of  $14^{\circ}26.7'$  E.

Thence N.  $10^{\circ}30'$  E.

Over level land leaving east edge heavy pine timber.

13.20 To Cor. 2, identical with List Cor. H/3, which I destroy.

Deposit a basalt stone 3x4x4 ins. marked with a cross, 20 ins. in the ground, over which set a basalt stone 24x15x5 ins. marked 2 ES 655 on SE face and a cross on top.

Pits impracticable, no stones available for mound, and no trees within reasonable limits.

Thence S.  $78^{\circ}12'$  E.

Over open, level land.

15.97 To Cor. No. 3, in west edge of timber, identical with List Cor. H/4, which I destroy.

Deposit a basalt stone 6x6x7 ins., marked with a cross 20 ins. in the ground, over which set a basalt stone 24x16x6 ins. marked 3 ES 655 on SW face and a cross on top.

Yellow pine 7 ins. in diam. bears S.  $30^{\circ}00'$  W. 37 lks. dist.

Yellow pine 5 ins. in diam. bears N.  $30^{\circ}00'$  E. 72 lks. dist.

EXCHANGE SURVEY NO. 655  
~~HOUSTAD ENTRY SURVEY NO.~~

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains

Both trees marked 3 ES 655 + BT.

Thence S. 45°38' W.

Along west edge of timber.

13.94 To Cor. No. 4, identical with List Cor. H/1, which I de-  
stroy.

Deposit a basalt stone 2x2x3 ins. marked with a cross,  
20 ins. in the ground, over which set a basalt stone 26x  
18x5 ins., marked 4 ES 655 on NW face and a cross on top.

Yellow pine 4 ins. in diam. bears S. 66°00' W. 23 lks.  
dist., marked 4 ES 655 + BT.

No other trees available.

Thence N. 89°30' W.

Over level open land.

8.07 To Cor. No. 1, the point of beginning.

Area

Total Area - - - - - 14.50 acres

Survey completed May 16, 1929.



EXCHANGE SURVEY NO. 655  
~~HOMESTEAD ENTRY SURVEY NO.~~

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains May 15, 1929

At Corner No. 1 of this survey at 6<sup>h</sup>15<sup>m</sup> P.M., L.M.T. in Latitude 34°49'10" N. Longitude 111°29'54" W. I observe Polaris with telescope direct, reading an angle of 91°35' from star to right, to Cor. No. 4 of this survey.

G.M.T. U.C. Polaris, May 15, 1929 = 10<sup>h</sup>04<sup>m</sup>30<sup>s</sup> a.m.

Reduction to Longitude 111°29'54" = - 01 12

L.M.T. U.C. Polaris, May 15, 1929 = 10 03 18 a.m.

Astro. L.M.T. Observation = 18 15 00

Hour angle of Polaris, west of meridian = 8<sup>h</sup>11<sup>m</sup>42<sup>s</sup>

Azimuth of Polaris = 178°54'23"

Angle from star to right = +91 35 00  
270 29 23  
360 00 00

Bearing of mark = S. 89°30'37" E.

At the same station at 6<sup>h</sup>20<sup>m</sup> p.m. L.M.T. I again observe Polaris with telescope reversed, reading an angle of 91°34'30" from star to right to the same reference mark.

L.M.T. U.C. Polaris, May 15, 1929 = 10<sup>h</sup>03<sup>m</sup>18<sup>s</sup> a.m.

Astro. L.M.T. of observation = 18 20 00

Hour angle of Polaris, west of meridian = 8<sup>h</sup>16<sup>m</sup>42<sup>s</sup>

Azimuth of Polaris = 178°55'22"

Angle from star to right = +91 34 30

Azimuth of mark = 270 29 52  
360 00 00

Bearing of mark = S. 89°30'08" E.

The mean of the two observations gives a mean for the bearing of Cor. No. 1 to Cor. No. 4 as S. 89°30'22" E.

*mean by checker  
89°30'18" from  
178°54'23"  
178°55'20" for az.  
pass*







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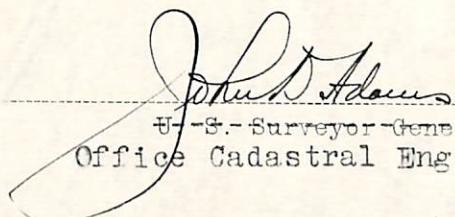
APPROVAL  
PUBLIC SURVEY OFFICE  
~~Office of the United States Surveyor General,~~

Phoenix, Arizona, Jan. 8 , 1930

The foregoing field notes of Exchange Survey No.

655

executed by L. C. Daves, Chief Surveyor, [Forest Service Title.]  
under his special instructions, dated November 5, 1928, ~~191~~, having  
been critically examined, and the necessary corrections and explanations  
made, the said field notes, and the surveys they describe, are hereby  
approved.

  
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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  
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U. S. Surveyor General.  
Office Cadastral Engineer

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