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

, 1928

Survey commenced

May 15

, 1929

Survey completed

May 16

, 19 29

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

[OVER]

We hereby certify that we assisted

[Forest Service Title.]

in surveying all those

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 estab-
lished, according to the instructions furnished by the United States
Surveyor General for
000000000000000000000000000000000000000

The sales of the sales of		of the State
Subscribed and sworn to before n	mo thia	don of
	ne this	day of

OATH OF SURVEYOR

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 his 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.

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 with the Supervision, 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/ District Engineer [Forest Service Title.]

Subscribed and sworm to before me this Second

January

, 1930.

THE REFER SEAL.

HY COMMISSION EXPLORE JUNE 20, 1931 - Juneau R. C. Beyer TEST 348 SHUL SERIAL STATES IN

Notary Public

EXCHANGE SURVEY NO. 655 MOMESTEADXENTRIXXSURVEYXNOX

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.

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.

tained 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.

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 28x 18x12 ins., marked 1 ES 655 on NE face and a cross on top.

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EXCHANGE SURVEY NO. 655 MOMESTEAD/PMTHY/SURVEY/MO/

COCONINO NATIONAL FOREST

STATE OF ARIZONA

2.

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Chains

Yellow pine 18 ins. in diam. bears S. 44°50' W. 73 lks.

Yellow pine 8 ins. in diam. bears N. 50°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°13' W. 8.82 chs. dist. by direct measurement.

Latitude 34°49'10" N., longitude 111°29'54" W. from the Geological Survey Advance Sheet, Camp Verde Quadrangle.

The observed magnetic variation at 8:00 A.M. is 14°30' E., which gives a mean magnetic variation of 14°26.7' E. Thence N. 10°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°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. 30,00' W. 37 lks. dist.

Yellow pine 5 ins. in diam. bears N. 30°00' E. 72 lks. dist.

EXCHANGE SURVEY NO. 655/HOWESTYNO!

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/l, which I destroy.

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.

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NATIONAL FOREST

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EXCHANGE SURVEY NO. 655

COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains May 15, 1929

At Corner No. 1 of this survey at 6^h15^m P.M., L.M.T. in Latitude 34^o49'10" N. Longitude 111^o29'54" W. I observe Polaris with telescope direct, reading an angle of 91^o35' from star to right, to Cor. No. 4 of this survey.

G.M.T. U.C. Polaris, May 15,1929 = 10h04m30s 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 = 81

= 8h11m42s

Azimuth of Polaris = 178°54'23"

Angle from star to right = 491 35 00 270 29 23 360 00 00

Bearing of mark = S.89°30'37" E.

At the same station at 6^h20^m p.m. L.M.T. I again observe Polaris with telescope reversed, reading an angle of 91^o34'30" from star to right to the same reference mark.

L.M.T. U.C. Polaris, May 15, 1929 = 10h03m18s a.m.

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

Hour angle of Polaris, west of meridian = 8^h16^m42^s

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. 89030122" E.

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Form 85. Sheet No. 3.—Revised Feb., 1915.

Directions.—1. Carry out calculation to two decimals only.

2. In balancing Labitum's 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	r/hdynekhtelat/finter/su	JRVEY NO. 655	STATE OF A	RIZONA
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8—2349 TA	BLING AND CALCU	LATIONS OF/	村外在村村和苏门村	TEL SURVEY	NO. 655	, STAT	E OF ARIZONA			
CORNERS.	BEARING.	DISTANCE.	LATITU	DES.	DEPART	URES.	DOUBLE M. D.	N. AREAS.	S. AREAS.	
			NORTH.	South.	East.	West.				
1 - 2	N. 10° 30° E.	13.20	12 98		2 41		2 41	31 26		
2 - 3	s. 78° 12' E.	15.97		3 24	15 63		20 45		67 08 -	
3 - 4	S. 45° 38' W.	13,94		9 75		9 97	26 11		254 83	
4-1	N. 89° 30° W.	8.07	07			8 07	8 07	56		
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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,

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.

U-3. 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

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197