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U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

EXCHANGE 4744444144144 SURVEY NO. 667

SITUATED IN THE

TONTO

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO.

In Section 34 , *** Township 10 N., Range 4 E. * Unapproved survey

of the

Gila and Salt River Base and Meridian.

State of

Arizona

Applicant for fiffith	Sawyer-Otondo Sheep	Company
Residence		
Application No.	, dated	, 19
List No.	, dated	, 19
Applicant for survey		
Residence -		
H. E. No.	, dated	, 19

Exchange

Land Office

Survey executed by Edwin R. Sievers, Associate C.E., In Charge of Surveys Under special instructions dated June 25 , 19 40 , 19 41 Survey commenced April 21

Survey completed , 19 41 April 23

OATH OF ASSISTANTS
We hereby certify that we assisted Edwin R, Sievers Associate, Civil Engineer, In Charge of Surveys in surveying all those [Forest Service Title.]
parts or portions of Homester Thinky Survey No. 667 , 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 NOTE: It would have been very
expensive and inconvenient for
assistants to appear before an
officer for oath. Hence, the AARON F. JONES
Associate C.E., In charge of Surveys administered the oath. Jr. Engr. Aid.
Alun Hint
AIMA HINT
ALICE ALONA
Subscribed and sworn to before me this 23rd day of
April 1941 601 P
April 19 41 Success
EDWIN R. SIEVERS
Associate C.E., In Charge of Surveys
OATH OF SURVEYOR
OHII OF BOILDION
I, Edwin R. Sievers, Associate C.E., In Charge of Surveys,
do solemnly swear that, in strict conformity with the special instructions of the 11111111111111111111111111111111111
June 25 , 1940 , and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, surveyed a tract
of land
, No. , dated , 19 , for
Exchange, under the Act of March 20, 1922 & June 30, 194
the same to be known as ###################################
WXXXXXXXXXX Section 34 , Township 10 N. , Range 4 E., , XXX
XXXXXXXXXXXX , TXXXXXX , XXXXXX ,
(unapproved survey)
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
605/67. D.
Calling K. Leaves
EDWIN R. SIEVERS
Associate C.E., In Charge of Surveys
[Fcrest Service Title.] U. S. Forest Service

Subscribed and sworn to before me this

21st

day of

May

, 1941.

Edwin S. FRENCH

E. S. FRENCH

Notary Public

SEAL.

My Commission expires August 6, 1942 8-2349

EXCHANGE HOME/STEAD/ENTRY SURVEY NO. 667

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

The tract of land embraced in this survey is in Government ownership and was surveyed for exchange by the United States under the Acts of March 20, 1922 and June 30, 1940.

Applicant for Exchange, Sawyer-Otondo Sheep Company. Situated in xxxxxxxx Section 34, T. 10 N., R. 4 E. of the Gila and Salt River Base and Meridian, Tonto National Forest, Arizona. Surveyed under special instructions from the Public Survey Office for Arizoha, dated June 25, 1940, and designated as Exchange Survey

Survey commenced April 21, 1941 and was executed with a Gurley transit No. 12731 graduated to read direct to 1 minute of arc. The adjustments of the transit were tested and necessary adjustments made before commencing the survey. . 4. M: OI of med Trick

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. I de gained of

April 21, 1941 cond flo mailirem guilacometros mora blus .I

No. 667.

At Cor. No. 1 of Exchange Survey No. 667 hereinafter described in Latitude 340 121 30" N. and Longitude 1110 561 W. as determined by of interpolation from a Forest Service Base Map, I observe Polaris as dend defollows. Star is East of Mark, and in I .of . not won't

Watch Time Telescope Angle from Mark to Star

aing fee 10:50 P.M. Direct's and Ja 240 301 301

has cor so a 10:54-P.M. syour 'F a 'Reversed 1 to a so 240 321 3 1000

Mean10:52-P.Manyly bas sood Jas to .2.2. 2400311 1502.

Corr. to 1.m.t. .acillo yever chick and

_10:24-P.M.----1.m.t. obs: V.----

... 11

Set my watch with Western Union Time today and made to read correct for 105th Meridian Standard Time, which by difference of longitude at this point is 28.0 m. fast on:1.m.t. :50 136 080 03470

> Greenwich M.T. U.C. April 21, 1941 11:46.0-A.M.

> Correction for longitude of a contract a come of 1.2

1.m.t. U.C. Polaris April 21, 1941 11:44.8-A.M.

Form 85.
Sheet No. 2.

EXCHANGE HOME/STRAD/ENTRY SURVEY NO. 667

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chainse 1.m.t. obsw. April 21, 1941 at some 10:24-P.M. 10:24-P.M.

Bearing of Reference Mark S. 240 55, 43" E. To January

Watch Time. . . . Telescope . Angle from Mark to Star

. 10:58.30-PiM. Out Direct 3240 33' 00"

obility ov 11:00.00-P.M. north and Reversed 1 1000 240 331 30" work

- 0:28 Corr. to 1.m.t.

Tolud s 10:31.15 1.m.t. obsv. 1-1 .1 fire teon and o vevue

.or 1.m.t. U. C. Polaris April 21, 1941

1.m.t. obsv. ... " .. April 21, 1941 and a 10:31.25-P.M.

Azimuth of Polacis 00 221 30" Westering dra sooms in II.

Bearing of Reference Mark S. 240-55 45 E. C. Commission of the

The bearing of the Reference Mark from the mean of the two obsv. is

S. 240 55 44 E. I accept bearing of Reference Mark as S. 240 56 E. and from corresponding meridian all courses of this survey were deflected by sustained angulation.

U. S. Location Monument No. 84 being within a distance of two miles from Cor. No. 1 of this survey, I make a transit traverse to that point and find it bears N. 840 13' 12" E., 155.13 chains (details of traverse appear at end of notes). U.S.L.M. No. 84 is a malapais boukder in place showing 3' x 4' x 3' above the ground + on top and U.S.L.M. No. 84 H.E.S. on West face and witnessed as described by the Public Survey Office.

Beg. at Cor. No. 1 of Exchange Survey No. 667 which is an iron post,

l in. in diameter, 3 ft. long, set 12 in. above the ground, with

brass cap marked: AP 1 .: Raised a mound of rock around the post.

ES 667:

1941: 1941: 1

Whence from corner a Juniper 18 in. in diameter bears S. 420 41 E., 258 links. Blazed and scribed AP 1 ES 667 B.T. No other bearing

EXCHANGE HOMESTEAD/ENTRY SURVEY NO. 667

TONTO NATIONAL FOREST

STATE OF ARIZONA TO TRATE

Chains	trees available.
	Thence S. 200 59 E.
	over broken rolling country, thru thick oak brush, scattering
. lover,	nanzanita and juniper.
2.37	NW bank of Shirttail Can., 23 links wide, Course SW.
4.00	Beg. ascent over N. slope of hill.
6.40	NE bank of Wash, 23 links wide, Course NW.
20,00	To Cor. No. 2 which is an iron post, 1 in. in diameter, 3 ft. long,
	set in rock ledge, 30 in. above ground with brass cap marked: AP 2
	Raised mound of rock, 4 ft. base and 2 ft. high around post.
	Whence from corner a mountain Mahogany 4 in. in diameter bears S.
	83. Ol. W., 67 links. Blazed and scribed AP 2 ES 667 B.T. No other
1322	bearing trees available.
	Thence S. 68° 52° 20" W.
	across rough ground thru thick oak brush and scattering manzanita.
	Ascending East slope.
3.09	Top of hill - begin descending West slope of high hill, day (1.1)
23.57	Bottom of high hill.
23.87	Wash, 23 links wide, Course NW - bottom of slope.
	Begin ascent over East slope
28.88	Top of ridge bearing NW and SE - descending West slope.
30.06	To Cor. No. 3 which is an iron post, 1 in. in diameter, 3 ft. long,
	and 12 in. above ground, with brass cap marked: AP 3
	Raised mound of rock around post.
	Whence from corner a Juniper 6 in. in diameter bears S. 810 W., 79
	links. Blazed and scribed AP 3 ES 667 B.T.
	Thence N. 20° 59' W.
4.60	Wash, 30 links wide, Course NW - bottom of slope.
	Ascending S. slope of ridge.
10,68	Top of ridge - descending N. slope of ridge which bears NE and SW.

4.

Form 85. Sheet No. 2.

TONTO NATIONAL FOREST

STATE OF ARIZONA TO HEALE

Chains	S. bank of Shirttail Can., Course SW.
19.92	N. bank of Shirttail Can., Course SW.
20.00	To Cor. No. 4 which is an iron post, 1 in. in diameter, 3 ft. long,
	12 in. above ground, with brass cap marked: :AP 4
	Raised mound of rock around the post. 1941
	Whence from corner a Cedar 6 in. in diameter bears N. 520 E., 179
	The same of Marty (27 lines wild, Jourse at the
t. long.	links. Blazed and scribed AP 4 ES 667 B.T.
	A Cedar 5 in. in diameter bears S. 340 W., 80 links. Blazed and
**************************************	scribed AP 4 ES 667 B.T.
in and	of totamine in .ni - sprenome first more a morror contrangely of
tradto of	Thence N. 69° Ol' E.
	Over rolling country, thru scattering oak brush, manzanita and
	Juniper.
0.06	N. bank of Shirttail Can., Course SW.
0.24	S. bank of Shirttail Can., Course SW.
5.10	Small wash, Course NW.
	S. bank of Shirttail Can., Course SW. Center of Shirttail Canyon, Course SW.
	N. bank of Shirttail Can. is 91 links East of line.
18.06	N. bank of Shirttail Can. is 30 links East of line.
21.35	N. bank of Shirttail Can., 30 links wide, Course SW.
28.02	Small Wash, Course SE.
30.00	To Cor. No. 1, heretofore described.
* LOSOF *	J. 35 Cor. No. 7 wilthis at iron port, I in alameter, A r
	Total Area 60.03 acres
	Jean armore to, 2 le bas la coele
	Survey completed April 23, 1941.
	liner. Mires caf lead of an a do the D.A.

Associate Civil Engineer

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log of vice - desc noise do e of ridge wild never to and

Ancesting 5, slope of rice.

10.45

8-2349

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

Commissioner

**Com

8—2349 TA B	LING AND CALCUI	ATIONS OF	中的科学生	PM/		SURVE	Y NO.	667	<i>,</i>	STAT	CE OF		ARIZONA					
CORNERS.	BEARING.	DISTANCE.		LATIT					TURES.		DOUBLE		N. AREA	s.	S. ARE	AS.		
		Chains	Nort	TH.	Sour		Eas	т.	WES	ST.								
1 - 2	S. 200 59' E.	20,00			18	67	7	16			7	16			133	53		anger a
2 - 3	S. 68 52 20 "W.	30.06		- 0	10	83			28	04	Begin 28	02				62		
3 - 4	N. 200 591 W.	20,00		67					7	16	63		1181	21				
4 - 1	N. 690 01' E.	30.00	10	74			28	01			42	34	455	58				
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Form 85. Sheet No. 3.—Revised Feb., DIRECTIONS.—1. Carry out 2. In balanci Put The 3. In calcula 4. Only three		es do not obliterate o	or change the Do not cleorional to calculations District Of	ne origina nange the the leng s of N. as ffice, the	al figures. e footing of ths of the l nd S. areas Surveyor (the origin ines. drop all a deneral, a	nal figures, lafter second and the Com	out put b	elow them t Surveyors r.	he correc	eted footing in red in	nk. ndard Field Table	es issued l	by the G. L. O.			. 24)
	LING AND CALCUI		TI'S	CHANC	Transfer of the second										S.L.M.	Мо. 84, н.	.E.S.
			.,,,,,,		rudes.				TURES.								
CORNERS.	BEARING.	DISTANCE. Feet	Nor	North.		тн.	East.		West.		DOUBLE M. D.	N. AREAS.		S. AREAS.		eq. si	
Cor. #1 E.S. #667	N. 240 571 W.	672.87	610	08					283	84							
Station # 19	N. 610 441 E.	1036.79	491	00			913	15									
18	N.75.15'30"E.	913.84	232	54	•		883	76 /									
17	S. 58 35 E.	943.40			491	76	805	10				182			2017		
16	N.49011'30"E.	342.87	224	08	1		259	52									
1 5	S. 530 181 E.	381.88			228	22′	306	18/									
14	S. 72049 130"E.	1570.47			463	74	1500	43									
13	N. 740 481 E.	732.27	191	99 '			706	66									
12	N. 35-42 30"E.	241.10	18	0,4			240	42/								34.47.95	37.75
11	N. 340 44 E.	363.20	298	48			206	94									
10	N.13°50'30"E.	435.73	423				104	24									
9	N.50046130"E.	373.23	236				289	13									
8	S. 790 451 E.	306.17			54	48	301	28									
7	S.76-17'30"E.	787.71			186	67	765	27/									
6	N. 71019 30"E,	428,08	137	07			405	54									
5	S. 840 331 E.	502.85			47	76	500	58 /									
4	S. 67842130"E.	431.31			163		399	07*									
3	S.79.09'30"E.	952.71			179			70 /									
2	N. 810 041 E.	816.09	126	73				19									
1	S.44035*30"E.	200,24			142	60		58									S
U.S.L.M. No. 84			2989	11	1958	COMPANY OF STREET, STR	10469	-	283	84		N. 840 13	1 12"	E., 155.12	chains		V
			- 1958	THE RESIDENCE OF THE PARTY OF T			- 283	III SOURCE STREET			· 10 10 10 10 10 10 10 10 10 10 10 10 10	2 10 20 20 21				En	
			1031				10185	AND DESCRIPTION OF THE PERSONS									
								•									

APPROVAL PUBLIC SURVEY OFFICE

Phoenix, Arizona, September 26 , 1941

EXCHANGE SURVEY NO. 667

executed by Edwin R. Sievers, Associate C.E., In Charge of Surveys, Forest Service, [Forest Service Title.]
under his special instructions, dated June 25, 1940, having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

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.

Therman C. Fiske
U. S. Surveyor General.
Office Cadastral Engineer

-2349

The foregoing field notes of Boards definition of the

under his openial instructions, dated June 27% of 1910 againg