Book"M"

BOOK 3677

FIELD NOTES

OF THE SURVEY OF 7

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¢ ·	Part of	the Subdivision 1	ines of	
		-		- The state of the
برندون معالی میراند				m
		TOWNSHIP 12	SOUTH, RANGE 7 EAS	<u>T.,</u>
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	; - <u></u>		<u> </u>	· · · · · · · · · · · · · · · · · · ·
				:
	0	of the Gila and Salt	River Base and	Meridian,
	In the State of	fA	rizona.	· · · · · · · · · · · · · · · · · · ·
		E>	KECUTED BY	
	· :	William H. Tho	orn. U.S.Cadastral E	lngin e er,
			a nd	
	Emmany and the		nter, U. S. Transit	
	In the eargeits			
		•		e dated September 25, 1919,
			_	surveys included in Group
			•	sioner of the General Land
•	Office, Octob	er 22, , 1919, and A	Assignment Instructions	dated December 1, 1924.
			·	
		Survey commenced	January 19,	, 1925.
r		Survey completed	February 18,	, 19 ² 5•

Book"M."

Group 100 - Arizona.

POOK 3677

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general entre entre en		IND	EX [DIAG	RAM.	800 /X 00/A	
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	7	8	9	10	11	12	
	18 6	17 6 5	7.125	R.7E.	14	13	
	19	20	21 4	.22	23	24	,
	30	29	28 3	27	26	25	· · ·
	31	82	88 3	34	35	36	

Lines	surve	yed ı	under	this	group.	
Accept	ed su	rve ys	3,			

---- Unsurveyed.

Areas surveyed as per accepted plats on file.

Beok "M"

Group 100 - - - Arizona.

Township 12 South, Range 7 East.

DATE DIAGRAM.

· · · · · · · · · · · · · · · · · · ·		DAIR DI	AGRAM			-
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7	8	9	/0	, ,,,	/2	
/8 2 – 18=25	// 	/ [/] 2-18-25	 /5 	 	13	
19	20	21	22 - 22 22 - 22	29	24	
30	29	28	. 92 161 1	26	25	
<i>31</i>	32	33	1-1 34 34	35	36	
F	or dates of	survey of	this line see	Book "G"	-	

Indicates lines surveyed by William H. Thorn, U.S.C.E., on dates shown thereon,

Indicates lines surveyed by Charles E. Hunter, U.S.T., on dates shown thereon.

Lines surveyed under this group, notes in other books.

__ Accepted surveyed lines.

_ Unsurveyed lines.

Surveys hereinafter described were executed on dates shown on diagram on page 1 hereof, by William H. Thorn, U.S. Cadastral Engineer, and Charles E. Hunter, U.S. Transitman, using respectively, Young and Sons Transit No.8592, and Buff and Buff Transit No.10125.

FIELD TEST OF YOUNG AND SONS TRANSIT NO. 8592, BY WILLIAM H. THORN, U.S. CADASTRAL ENGINEER.

Examine the adjustment of the instrument, and find no errors, then, to test the solar apparatus by comparing its indications resulting from observations made during a.m. and p.m. hours with a meridian established by Polaris observation at camp near the center of section 13,T.14 S., R.7 E., G.and S.R.B.& M., Arizona, inllatitude 32° 12½'N., longitude, 111°35½°W., as described in Book"F" of this group, proceed as follows:

January 19,1925, at 8h.0m.a.m., l.m.t., set off 32°12½'N. on the lat.arc; 20°18'S.on the decl.arc, and determine

a meridian with the solar.

At 4h.0m. p.m., l.m.t., set off 32°12 N.on the lat.arc; 20° 14' S. on the decl.arc, and determine a meridian with the solar.

As the three meridians agree within 1' of arc, conclude that the instrument is in satisfactory adjustment.

FIELD TEST OF BUFF AND BUFF TRANSIT NO.10125, BY CHARLES E. HUNTER, U.S.-PRANSITMAN-1-

Examine the adjustment of the instrument, and find no errors; then, to test the solar apparatus by comparing its indications resulting from observations made during a.m. andp.m. hours with a meridian established by Polaris observation at camp near the center of section 16, T. 13 S., R.8 E., G.and S.R.B. and M., Arizona, in latitude 32°17½'N., longitude, 111°32'W., as described in Book "L" of this group. proceed as follows: February 17, 1925, at 8h. Om. a.m., l.m.t., set off 32° 17½'N. on the lat.arc, 11°58'S. on the decl.arc, determine

a meridian with the solar.

At 4h.Om. p.m., l.m.t., set off 32°17½'N.on the lat.arc; 11°51½'S. on the decl.arc, and determine a meridian with the solar.

As the three meridians agree within l' of arc, conclude that the instrument is in satisfactory adjustment.

Unless otherwise specified all measurements are made with a Lufkin steel tape, 5 chs.in length, compared with a Lufkin standard steel tape, and found correct. The measurements are made on the slope, vertical angles determined with clinometer, and the slope measurements properly reduced to true horizontal distances.

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Survey of part of Subdivision lines of T. 12 S., R. 7 E.
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The following notes describe the survey of the S.2 of the 3rd meridional section line, and the W.2 of the 3rd. latitudinal section line, which lines form part of the boundary of the Papago Indian Reservation, the said Reservation embracing the entire SW.quarter of the

No other subdivision lines in this township are surveyed.

From the cor.of secs.3,4,33 and 34 on the S. bdy.of the Tp., described in Book "G" of this group, N.O°2'W., bet.secs. 33 and 34.

Over levels land, thru.scattering timber and undergrowth. Wash,10 lks.wide, course W.

20.50 40.QO Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{2}$ sec.cor., with brass cap, marked

No bearing trees available. Dig pits 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

Continue over level land, thru.scattering timber and undergrowth.

55.40 79.20 80.00

Wash, 10 lks.wide, course W. Wash, 10 lks.wide, course W. Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins.in the ground, for cor.of secs. 27, 28, 33 and 34, with brass cap, marked

> T12S R7E S28 S27 \$33 S34 1925

No bearing trees available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land level.

Soil, sandy and gravelly, 3rd rate. Timber, palo verde, and ironwood. Undergrowth, greasewood and ocotillo. Scattering giant cactus.

N.0°2'W., bet. secs.27 and 28. Over nearly level land, thru. scattering timber and undergrowth.

7.10 24.80 40.00

Road, brs.NE. and SW. Wash, 50 lks.wide, course SW.

Set an iron post, 3 ft.long, 1 in. in diam., 26 ins.in the ground for 4 sed.cor., with brass cap, marked

3281527 1925

from which.

An ironwood, 12 ins.in diam., brs.S. 22°E., 35 lks.dist., marked 3 S 27 BT.

An ironwood, 6 ins.in diam., brs.N. 542°W., 79 lks.dist., marked 3 S 28 BT.

57**.4**0 78**.0**0

Wash, 50 lks.wide, course W. Enter mountainous land. Ascend 50 ft., over S.slope, to

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Survey of part of the Subdivision lines of T.12 S., R. 7 E.
Chains.
80.00
            Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, with
                 brass cap, marked
                                                T125 R7 E
S21 S22
                                                  S28 S27
                                                    1925
            No bearing trees available.
            Raise a mound of stone 3 ft.base, 2 ft.high, W.of cor.
            From this cor., the top of Santa Rosa Mountain brs. S.86°
                 40 'W.
            Land, nearly level and mountainous.
            Soil, sandy, gravelly, and rocky, 3rd rate. Timber palo verde, ironwood and mesquite.
            Undergrowth, greasewood, ocotillo and catclaw.
            Scattering giant cactus. .
            N.0°2'W., bet. secs. 21 and 22.
            Over mountainous land, thru. scattering timber and under-
                 growth.
            Ascend 275 ft.,
                                       over S.slope.
            Top of malpais hill.
14.73
            Descend 175 ft., over N.slope, to
28.00
            Wash, 10 lks. wide, course NW. Enter rolling land.
           Descend gradually over. W.slope, to
Descend 28 ft., over NW.slope, to
Set an iron post, 3 ft.long, 1 in. in diam., 12 ins. in
the ground to bed rock, supported in a mound of stone,
36.30
40.00
                 for 2 sec.cor., with brass cap, marked
                                                 S21 S22
                                                  1925
                 from which,
           A palo verde, 4 ins. in diam. brs. S. 803 E., 36 lks.dist., marked 1 S 22 BT.

A palo verde, 4 ins.in diam. brs. S. 354 W., 18 lks.dist., marked 18 21 BT.

Continue over rolling land, thru. scattering timber and
                 undergrowth.
           Descend 57 ft., over NW.slope, to Foot of descent, brs.NE. and SW., thence overnearly level
50.00
                 land.
65.40
           Wash, 30 1ks.wide, course NW.
           Set an Pron post 3 ft.long, 2 ins. in diam., 26 ins, in the ground for cor. of secs. 15, 16, 21 and 22, with brass
89.00
                 cap, marked
                                              T12S R7 E
S16 S15
                                                 S21 | S22
                                                   1925
                from which,
                        A mesquite, 5 ins. in diam., brs. N. 782°E., 179 lks. dist., marked Tl2S R7E S15 BT.
          A mesquite, 6 ins.in diam., brs. S. 87½°E., 189
lks.dist., marked Tl2S R7E S22 BT.
A palo verde, 6 ins.in diam., brs. S. 20½°W., 27
lks.dist., marked Tl2S R7E S21 BT.
A mesquite, 8 ins.in diam., brs. N. 85½°W., 222
lks.dist., marked Tl2S R7E S16 BT:
Land, mountainous, rolling and nearly level.
Soil, sandy, gravelly and rocky, 3rd and 4th rate.
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Survey of part, of Subdivision lines of T.12 S., R. 7 E.
Chains.
             Timber, palo verde and mesquite.
             Undergrowth, greasewood and cactus.
             West, on a true line, bet. secs.16 and 21.
             Over nearly level land, thru.scattering timber and under-
                   growth.
            Wash, 40 lks.wide, course NW.

Set an iron post; 3 ft.long, l in.in diam., 15 ins.in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post for 1 sec.cor., with brass cap, marked
20.20
40.00
                                                     <u>1 S 16</u>
                                                        1925
            No bearing trees available.
             Continue over nearly level land, thru. scattering timber
                   and undergrowth.
            Wash, 10 Iks. wide, course NW. Road, brs. NE. and SW.
40.90
66.40
            Set an iron post, 3 ft.long, 2 ins. in diam., 26 ins. in the ground for cor. of secs: 16,17,20 and 21, with brass
80.00
                  cap, marked
                                                    T125 R 7 E
                                                      s17 s16
                                                      S20 S21
                                                        1925
                  from Which,
                           An ironwood, 20 ins.in diam., brs.N.103°E.,192 lks.dist., marked Tl2S R7E Sl6 BT.

An ironwood, 18 ins.in diam., brs.S.681°E.,286 lks.dist., marked Tl2S R7E S21 BT,

An ironwood, 18 ins.in diam., brs.S.571°W.,214 lks.dist., marked Tl2S R7E S20 BT.

An ironwood, 5 ins.in diam., brs.N.451°W.,296 lks.dist., marked Tl2S R7E S17 BT.
             Land, nearly level.
             Soil, sandy and gravelly, 2nd and 3rd rate. Timber, ironwood and palo verde.
             Undergrowth, greasewood, ocotillo and cholla cactus. Scattering giant cactus.
            West, on a true line, bet. secs. 17 and 20.
Over nearly level land, thru. scattering timber and under-
                  growth.
 5.00
            Wash, 10 1ks. wide, course SW.
14.10
            Same wash, course NW:
22.10
             Same wash, course SW.
            Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground for a sec.cor., with brass cap, marked
40.00
                                                       1925
                  from which.
            A palo verde, 12 ins. in diam., brs.S.50% W.,
120 lks.dist., marked S 20 BT.
An ironwood, 6 ins.in diam., brs.N.12% W., 220
lks.dist., marked S 17 BT.
Continue over nearly level land, thru.scattering timber
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and undergrowth.

BOOK 3677

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Survey of part of Subdivision lines of T. 12 S., R. 7 E.
Chains.
               Same wash, 10 lks.wide, course IW. Enter same wash, course W. from NE. Thence in wash. Leave same wash, course IW from E.
  44.50
46.00
 51.20
53.30
73.10
80.00
               Road, brs.NE. and SW.
               Same wash, course SW.
               Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 17,18, 19 and 20, with
                     brass cap, marked
                                                        T1 2S R7 E
$18 | $17
                                                           S19 S20
                                                             1925
                     from which,
                               which,
An ironwood, 8 ins.in diam, brs.N.48°E. 101
lhs.dist., marked Tl2S R7E Sl7 BT.
An ironwood,14 ins.in diam.,brs.5.334°E.,273
lks.dist., marked Tl2S R7E S20 BT.
A palo verde, 6 ins.in diam.,brs.S.04°W.,274′
lks.dist., marked Tl2S R7E Sl9 BT.
An ironwood, 6 ins. in diam.;brs.N.25½°W.,83°
lks.dist. marked Tl2S R7E Sl8 R7
                                     lks.dist., marked Tl2S R7E S18 BT.
                Land, nearly level.
               Soil, sandy and gravelly, 2nd rate. Timber, ironwood and palo verde.
                Undergrowth, greasewood and ocotilla.
                Scattering giant cactus.
                West, on a true line, bet. secs. 18 and 19.
                Over nearly level land, thru.scattering timber and under
               Set an iron post, 3 ft.long, 1 in. in diam., 26 ins.in the ground for 4 sec.cor., with brass cap, marked
  40.00
                                                              S 19
                                                              1925
                      from Which,
                                A mesquite, 8 ins. in diam., brs. N. 80 E., 109
                lks.dist. marked ½ S 18 BT.

An ironwood, 10 ins.in diam., brs.S.42°E.,52

lks.dist., marked ½ S 19 BT.

Continue over nearly level land, thru. scattering timber
                      and undergrowth.
                (Theoretical point of intersection with the range line
  83.32
                between Tsw12 S., Rs. 6 and 7 E.)
Set an iron post 3 ft.long, 2 ins. in diam., 20 ins. in
the ground to bed rock, supported in a small mound of
stone for cor. of secs. 13, 18, 19 and 24, with brass
                      cap, marked
                                                              T1 2S
                                                          R6E | R7E
                                                          S13 | S18
                                                          524 519
                                                           1925
                      from which.
                                A palo verde, 4 ins.in diam., brs.N.72°E.,215
                                lks.dist., marked Tl2S'R7E Sl8 BT.

An ironwood, 5 ins.in diam., brs.S.47°E.,316
lks.dist., marked Tl2S RVE Sl9 BT.

A palo verde,5 ins in diam., brs.S.52°W.,352
lks.dist., marked Tl2S R6E S 24 BT.

An ironwood, 14 ins.in diam., brs.N.472°W.,259
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lks.dist., marked Tl2S R6E Sl3 BT.

Survey of part of Subdivision lines of Township 12 South Range 7 East 7

Land, nearly level. Soil, sandy and gravelly, 2nd rate. Timber, ironwood and palo verde. Undergrowth, greasewood, ocotilla and cactus.

The continued satisfactory adjustment of the solar apparatus of Buff and Buff Transit No.10125 used by Charles E. Hunter, U. S. Transitman, in the execution of surveys described in the foregoing notes wis indicated from field tests described in Book "N" of this group.

The continued satisfactory adjustment of the solar apparatus of Young and Sons Transit No. 8592 used by W.H. Thorn, U.S.C. Engineer, in the execution of surveys described in the foregoing notes is indicated from field tests described in Book "K of this group.

GENERAL DESCRIPTION.

There are no surveyed areas in this township. The South boundary and the S.half of the East boundary were surveyed under this group. The north boundary is an accepted survey executed in 1916. The West boundary and N.half of East boundary are unsurveyed. The section lines surveyed as described in the foregoing notes are the only surveyed subdivision lines, With the exception of about 100 acres around a malpais hill on line bet. secs.21 and 22, which is mountainous, with a rocky, 4th rate soil, the surface of this township is " level or nearly level, and the soil is sandy and graved elly, 2nd and 3rd rate."
There is a scattering growth of palo verde, ironwood and

mesquite timber, and a dense undergrowth of greasewood, catclaw and cactus over the whole township.

There are no springs and no permanent running streams of water.

There are no settlers or improvements, and no indications of valuable mineral deposits.

A periodical growth of grass in rainy seasons only, furnishes

fair grazing at such times.
Several roads traverse the township, none of which are well travelled.

The entire SW. quarter of the township is within the Papago Indian Reservation.

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4-680

FIELD ASSISTANTS.

to
Charles E. Hunter, U.S.Tra

NAMES.	CAPACITY.
Leroy R. Hansen, Charles F. Elerick,	lst chainman, 2nd chainman,
Charles Knight,	cornerman,
Oswald E.Recroft,	flagman,
Gordon F. Jackson,	axman.
•	
	,
,	

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Charles E. Hunter, U. S. Transitman, we are hereby certify upon honor that, in pursuance
of special instructions received from the U.S. Surveyor General, for Group 100, Arizona,
bearing date of the25th day ofSeptember,, 1919, I have well, faithfully, and truly
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-
tions, and the laws of the United States, surveyed all those parts or portions of _the
Subdivision lines of
TOWNSHIP 12 SOUTH, RANGE 7 FAST.
·
of the h Gila and Salt
River Base and Meridian, in the State of, which are represented in
and by diagram on page 1 hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of
said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-
tions, and the special written instructions of the U. S. Surveyor General, for Group 100, Arizona,
and in the specific manner described in the field notes, and that the foregoing are the original field notes of
Place: Phaenix aryona Charles & Hunter
Place: Phaenit aryona Charles & Hunter Date: October 28, 1925
Date: <u>Cetapus 28, 1923</u>
AFFROVAC.
OFFICE OF THE UNITED STATES SUPPLYOR GENERAL,
Who descript field notes of the survey of
AND TO SAME AND TO A CONTRACT OF THE SAME
,
executed by
under his special instructions dated
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.
I certify that the foregoing transcript of the field notes of the above described surveys in
, has been correctly copied from the original notes on file in this office.

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BOOK 3677

4--680

FIELD ASSISTANTS.

iam H. Thorn, U.S. Cadastral Enginee

william H. Thorn,	U.S. Cadastral Engineer					
NAMES.	CAPACITY.					
Frank T. Burgess, Albert L.Bailey,	lst chainman,					
Homer Pepper,	cornerman,					
George M.Tucker,	flagman,					
James S.Hayward,	axman.					
						
<u></u>	* · · · · · · · · · · · · · · · · · · ·					
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·						

6-2764

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER.

12

I, William H. Thorn, U.S. Cadastral Engineer, who, hereby certify upon honor that, in pursuance
of special instructions received from the U. S. Surveyor General, forGroup_100, Arisona,
bearing date of the25th day ofSeptember,, 1919 , I have well, faithfully, and truly
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-
tions, and the laws of the United States, surveyed all those parts or portions of
For any time Subdivision lines of
TOWNSHIP 12 SOUTH, RANGE 7 BAST.
of the Gils and Salt
River Base and Meridian, in the State of Arizona, which are represented in
and by diagram on page 1 hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of
said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-
tions, and the special written instructions of the U. S. Surveyor General, for Group 100, Arizona,
and in the specific manner described in the field notes, and that the foregoing are the original field notes of
Place Thorn and Milliam H Thorn
Place: Thorn and U.S. Cadastral Engineer.
Date: Oct 16 1925
APPROVAL.
OFFICE OF UNITED STATES SUPERVISOR OF SURVEYS,
November 25, 1925.
The foregoing field notes of the survey of
TOWNSHIP 12 SOUTH, RANGE 7 EAST,
of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by William H. Thorn, U.S. Cadastral Engineer, and Charles E. Hunter, U.S. Transitman
under his special instructions dated Sept. 25, 1919, for Group 100, Arizona, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys
they describe, are hereby approved.
United States Supervisor of Surveys.
Learning that the foregoing transcript of the field notes of the above described surveys in
has been correctly copied from the original notes on file in this office.