Book E.

2246

BOOK 2246

Cocupted 5 9 L. O. letter E.

## FIELD NOTES

OF THE SURVEY OF THE

	Subdivision lines of Tp. 9 N. Rg. 2	Ε.
17	2246	
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	2245	
	22 <u>1</u>	
Of the	Gila and Salt River Merio	lian,
	Territory of Arizona.	
	AS SURVEYED BY	
Alf	red N. Oliver. , United States	Deputy Surveyor,
Under his Contract No	161 , dated January 5, 191	0
Survey commenced	June 4, 1910.	, 190
Survey completed	June 6, 1910.	, 190

# TA

BOOK 2246

### NAMES AND DUTIES OF ASSISTANTS.

 Teu Hatt	Chainman
 A. E. Lyon	Chainman
U M Vontwoll	Arman
 n. I. nartwell	Axman
 R. A. Coombs	Flagman
	<b>«</b>
 	·
	!
 	٠.

148 B

# BOOK 2246 INDEX DIAGRAM.

Tou	nship 9	N.	, Range	2 E	
6	. 5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	<b>14</b>	13
19	20	21	22	28	24
30	29	28	27	<sup>26</sup>	25
81	32 4	<u>/</u> 88	3 84 2	35	36

Meanders Page.....

	PRELIMINARY OA	THS OF ASSISTANTS.
00X 2	246	<del></del>
001°	VE Len Hall	and A. E. Lyon
	·	execute the duties of chainmen; that we will level the
	•	tally pins, either by sticking or dropping the same; that
•	• • • • • • • • • • • • • • • • • • •	ects, and the true lengths of all lines that we assist in
measuri	ing, to the best of our skill and ability, and in	n accordance with instructions given us, in the survey of
the	subdivision lines of Tp. 9 N.	Rgo 2 F
		7 ' // -
		dew Sall , Chainman.
		O. E. Lynn, Chainman.
	4+h	
	bed and sworn to before me this 4th.	<del></del> }
day	of June, 1910 , 190	alfred no Elisa
	<b>策逐步联系</b>	agra M. Gum
	※ SEAL ★ ★ <del>※</del> ※※※	U.S. Deputy Surveyor
		·
		and
		perform the duties of moundmen in the establishment
of corn	ers, according to the instructions given us	s, to the best of our skill and ability, in the survey of
		, Moundman.
		, Moundman.
Subscri	bed and sworn to before me this	)
	y of, 190	
aaj	, or,	
•	SEAL W	·
	(新西西西西西)	
4	WE, I, H. T. Hartwell	and
do sole	mnly swear that <b>w</b> e will well and truly perf	form the duties of axmen in the establishment of corners
and oth	ner duties, according to instructions given	19, to the best of my skill and ability, in the survey of
the a	subdivision lines of Tp. 9 N.	Rg. 2 E/
		A.S. Sfartwell Arman.
	•	Axman.
		, Axman.
Q 1	4th.	
	ibed and sworn to before me this. 4tn.	{
day	y of	Alfred M. Glins
	WEEREN	syou is your
	₩ SEAL ₩ ★※★★★	U.S. Deputy Surveyor
	7 A G	do golomaly away that I will well and tauly
		do solemnly swear that I will well and truly etions given me, to the best of my skill and ability, in the
-		~
survey	of the subdivision lines of T	rp. 9 N. Rg. 2 E.
		R. A. Combo, Flagman.
	/	
$\operatorname{Subscr}$	ibed and sworn to before me this 4th.	· <b>(</b>
da	y of <b>June, 1910.</b> , 190	all is mi
		alfred M. Gless
	W SEAT W EXXXXX	U.S.Deputy Surveyor
	·	

No notary available without loss of time and great expense.

#### Subdivision of Tp. 9 N. Rg. 2 E.

Chains

Survey commenced June 4, 1910, and executed with an A. Lietz Co. light mountain transit, No. 5631, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the surveyor general for Arizona

I examine the adjustments of the transit, and find them then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m., and p.m., hours with a meridian determined by observations on Polaris, I proceed as follows:

At the standard cor. of secs. 35 and 35 on the S. bdy. of the township, which has been previously described; latitude 34° 04! 21! N., longitude 112° 06! 52" W.; I set off 34° 042! N. on the lat. arc: 22° 27! N. on the decl. arc; and at 5h. 00m. p.m., l.m.t. determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor.

June 4, 1910

June 5: At  $2h.39\frac{1}{2}m$ . a.m. by my watch, which has correct l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the

ground, 5 chs. N. of my station.

At 6 a.m., 1.m.t., I lay off the azimuth of Polaris, 1°

25 to the west, and mark the meridian thus determined by cutting a small groove in the stone set June 4, on which the meridian coincides with the mark determined by the solar.

At 7h. 00m. a.m., l.m.t., I set off  $34^{\circ}$   $04\frac{1}{2}!$  N. on the lat. arc; 22° 31! N. on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian established by the Polaris observation.

The solar apparatus, by p.m., and a.m., observations defines positions for meridians, respectively, which coincide with the meridian established by the Polaris observation; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 7h. 15m. a.m., is N. 14° 30' W.; the angle thus determined gives the mag. decl. 14° 30' E.

From the standard cor. of secs. 35 and 36 on the S. bdy. of the township
I now run

N. 0° 01' W. bet. secs. 35 and 36 Over rolling land covered with loose rocks, through dense undergrowth.

Cross wash 20 lks. wide course N. W. Cross wash 50 lks. wide course N. W.

Set a malpais stone 20 x 6 x 6 ins. 15 ins. in the ground for t sec. cr., marked t om W. face; from which A paloverde 5 ins. diam., bears N. 764 W. 52 lks. dist., marked tS35BT

A paloverde 5 ins. diam., bears S. 494 E. 47 lks. dist., marked \$336BT.

Cross wash 15 lks. wide course N. W. Left bank of Agua Fria River, dry, course S. W. Right bank of Agua Fria River. Set a malpais stone 20 x 12 x 7 ins. 15 ins. in the

ground for cor. of secs. 25, 26, 35 and 36, marked with

23.00

26.00 40.00

41.60 69.70 79.20 80.00

	Subdivision of Tp 9 N. Rg. 2 E.	
Chains	1 notch on S. and E. edges; and raise a mound of stone	=
	2 ft. base 12 ft. high, W. of cor. Pits impracticable. Land, rolling and covered with loose rocks. Soil, rocky; 4th. rate.	
٠	No timber. Undergrowth, mesquite, greasewood and paloverde. Land covered with dense undergrowth and loose rocks,	
	exceptionally difficult to survey 80.00 chs.	
	From the standard cor. of Secs. 34 and 35 on the S, bdy. of the Tp., previously described, I run	
	N. 0° 02 W. bet. secs. 34 and 35.  Over level land covered with loose rocks, through dense brush.	
14.97	Cross road bears N. E. and S. W. Left bank of Agua Fria River, dry, course S. W.	
17.60 40.00	Cross road bears E. and W. Point for t sec. cor. falls in river bed.	
41.50 42.00	Right bank of Agua Fria River Set a malpais stone 18 x 8 x 6 ins. 12 ins. in the ground for witness cor. to t sec. cor., marked WCt on	
	W. face; from which  A mesquite 8 ins. diam., bears N. 294° W. 41	
	lks. dist., marked WC+834BT.  No other bearing available. Raise a mound of stone 2	
46.55 71.00	ft. base 1½ ft. high, W. of cor. Pits impracticable. Cross wash 15 lks. wide course E. and ascend. Ridge bears N. E. and S. W.descend.	
80.00	Set a malpais stone 18 x 10 x 8 ins. 12 ins. in the ground for Cor. of secs. 26, 27, 34 and 35, marked with	
	I notch on S. and 2 notches on E. edges; from which A mesquite 4 ins. diam., bears N. 592 E. 130	
	Iks. dist., marked T9NR2ES26BT  A paloverde 4 ins. diam., bears S. 114° W. 91  lks. dist., marked T9NR2ES34BT	
	No other bearings available. Raise a mound of stone 2 ft. base 1 ft. high, W. of cor. Pits impracticable.	
	Land, rollingand level, and covered with loose rocks. Soil, rocky; 4th. rate.	
	No timber. Undergrowth, mesquite, paloverde, ironwood and catclaw. Land covered with dense undergrowth and loose rocks,	
	exceptionally difficult to survey; 80.00 chs.  June 5: At this cor. I set off 22° 312! N. on the decl.	
, ~ ~	arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 05° N.	
40.00 79.98	East on a random line bet. secs. 26 and 35 Set temp. ‡ sec. cor., Intersect N. and S. line 5 lks. S. of the cor. of secs.	
10.00	25, 26, 35 and 36, Thence I run	
	S. 89° 58' W. on a true line bet. secs. 26 and 35 Over rolling land covered with loose rock, through dense brush.	
27.00	Right bank of Agua Fria River, dry, course W. and along in river bed.	
39.99   45.50	Point for the sec. cor. falls in river bed. Right bank of Agua Fris River and along S. slope of mesa.	
45.99	Set a malpais stone 20 x 8 x 4 ins. 15 ins. in the ground for witness cor. to t sec. cor., marked WCt on N. face; and raise a mound of stone 2 ft. base 12 ft. high,	
69.50	N. of cor. Pits impracticable. Cross wash 35 lks. wide course S. E. and ascend.	
1	i i	

	Subdivision of Tp. 9 N. Rg. 2 E.
Chain 79.98	l f
	June 5, 1910
٠	June 6: At 7h. 00m., a.m., l.m.t., I set off 34° 04½' N. on the lat. arc: 32° 37½' N. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp.  Thence I run
13.15	N.0° 02' W. bet. secs. 33 and 34 Over rolling land covered with loose rocks, through dense brush Cross fence bears N. W. and S. E.
20.00	
44.00 48.50 66.00 72.78 80.00	Cross road bears N. E. and S. W. and over rolling land. Cross road bears N. E. and S. W.
	Barn bears S. 44° E. Small house bears N. 86° E. Land, level and rolling, and covered with loose rocks. Soil, rocky; 4th. rate. No timber. Undergrowth, greasewood, paloverde and mesquite. Land covered with dense undergrowth and loose rocks, exceptionally difficult to survey, 80.00 chs.
40.00	
15.00 24.00 39.95	Cross wash 20 lks. wide course S. W.

Subdivision of Tp. 9 N. Rg. 2 E. lks. dist., marked \$27BT. Chains. A paloverde 5 ins. diam., bears S. 362° W. 51 . lks. dist., marked \$334BT. 46.00 Cross wash 10 lks. wide course S. W. Cross road, phoenix to Prescott bears N. W. and S. E. House bears S. 72° 08' W. 53.87 71.11 Barn bears S. 63° W. Small house bears N. 85° 30' W. 72.00 Cross road bears N. W. and S. E. Cross fence bears N. W. and S. E. Cross fence bears N. E. and S. W. The cor. of secs. 27, 28, 33 and 34. 73.86 77.41 79.90 Land, rolling and covered with loose rocks. Soil, rocky; 4th. rate. No timber. Undergrowth, greasewood, paloverde and mesquite.

Land covered with dense undergrowth and loose rocks, exceptionally difficult to survey, 79.90 chs.

June 6: At this cor. I set off 22° 38° N. on the decl. arc; and observe the sun on the meridian at noon, the resulting lat. is 34° 05! N. N. 0° 02' W. bet. secs. 32 and 33 Ascending along S. E. slope of mountains, over loose rocks, through dense brush. Cross wash 30 lks. wide course S. E. 14.50 Ridge bears E. and W. descend. Cross drain 7 lks. wide course E. ascend. 30.00 35.40 Set a granite stone 20 x 10 x 4 ins. 15 ins. in the ground for \$\frac{1}{4}\$ sec. cor., marked \$\frac{1}{4}\$ on \$W\$. face; from which A paloverde 4 ins. diam., bears \$S\$. 58° E. 30 lks. dist., marked \$\frac{1}{4}\$\$S33BT. 40.00 A paloverde 4 ins. diam., bears lks. dist., marked #S32BT. Ridge bears E. and W. descend. bears N.  $8\frac{1}{2}$  W. 72 44.00 49.30 Cross drain 8 lks. wide course E. ascend. 74.50 Ridge bears E. and W. descend. Set a malpais stone 20 x 14 x 6 ins. 15 ins. in the ground for cor. of secs. 28, 29, 32 and 33, marked with 1 notch on S. and 4 notches on E. edges; from which 80.00 A paloverde 4 ins. diam., bears S. 58° E. 120 lks. dist., marked T9NR2ES33BT. A paloverde 4 ins. diam., bears S. 622 W. 101 lks. dist., marked T9NR2ES32BT.

No other bearings available. Raise a mound of stone Raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable. Land, mountainous, and covered with loose rocks. Soil, rocky; 4th. rate. . No timber. Undergrowth, greasewood, paloverde and mesquite.
Mountainous aand and land covered with dense undergrowth exceptionally difficult to survey 80.00 chs. East on a random line bet. secs. 28 and 33 Set temp. \(\frac{1}{4}\) sec. cor.
Intersect N. and S. line 14 lks. S. of the cor. of secs. 40.00 80.02 27, 28, 33 and 34 Thence I run S. 89° 54° W. on a true line bet, secs. 28 and 33 Descending over rolling land covered with loose rocks, through dense brush. Cross fence bears N. W. and S. E. 8.85 Cross wash 250 lks. wide course S. E. and ascend rough 10.50 S. E. slope of mountains. 18.00 Cross drain 7 lkg. wide course S. E.

Subdivision of Tp. 9 N. Rg. 2 E.

Chains.

36.00

40.01

Cross drain 6 lks. wide ocurse S. E.; ascend.

Set a malpais stone 18 x 10 x 8 ins. 12 ins. in the ground for \$\frac{1}{2}\$ sec. cor., marked \$\frac{1}{2}\$ on N. face; from which A paloverde 6 ins. diam., bears N. 13\$\frac{1}{2}\$° E. 121

lks. dist., marked \$\frac{1}{2}\$SBT.

A paloverde 6 ins. diam., bears S. 19\$\frac{1}{2}\$° W. 82

lks. dist., marked \$\frac{1}{2}\$S3BT.

The cor. of secs. 28, 29, 32 and 33.

Land mountainous and covered with loose rocks.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, paloverde, greasewood and mesquite

Mountainous alnd and land covered with dense undergrowth exceptionally difficult to survey 80.02 chs.

June 6, 1910.

#### GENERAL DESCRIPTION.

This township is rough and mountainous, and the soil rocky and worthless excepting small pieces along the Agua Fria River, which runs through the S. E. cor. of the township, and carries water during the wet season. There is one settler in sec. 34. There is no timber in the township. Although my special instructions carried no provision for the survey of this township, it was necessary to survey these three sections in order to include the claim of E. L. Hildefbrand.

Offied M. Whiss U.S. Deputy Surveyor.

### FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

125 V

#### LIST OF NAMES.

BOOK 2246

A list of the names of	the individuals employed byAl	fred N. Oliver
	, United States Deputy Surveyor, to a	ssist in running, measuring, and
marking the lines and corner	es described in the foregoing field notes of the	survey of the subdivision
	N. Rg. 2 E.	
showing the respective capac		
	Len Hall	Chainman
	•	
	A. E. Lyon	
		$\dots, Moundman.$
		, Moundman.
	H. T. Hartwell	, Axman.
		, Axman.
	R/ A. Coombs	, Flagman.
	FINAL OATH OF ASSISTANT	
We hereby certify the	at we assisted Alfred N. O.	liver
	, United States De	
	the subdivision lines of Tp.	
those parts or portions of the		
in the foregoing field notes a has been in all respects, to	s having been surveyed by him and under his the best of our knowledge and belief, well a ed, according to the instructions furnished	s direction; and that said survey and faithfully surveyed, and the
	cu, according to the institutions rurnished	sy the Chica states sarveyor
General for Arizona	Lew So	-00
		Chainman.
	Ci. 4. 74	, Chainman.
		, Moundman.
	$\sim$ 1.0	, Moundman.
	HJHar	twell , Axman.
·		, Axman.
•	R. a. Combo.	, Flagman.
		. T voy man.
	6th	
Subscribed and sworn to bef	}	1 a Mi
day of June,	y Ufr	dn. Olin
Ö SEAL Ö ÖGGGGG	U.S.	Deputy Surveyor
6-151		, <del>"</del>

NO notary available without loss of time and great expense.

#### FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

	United States Deputy Surveyor, do
solemnly swear that, in pursuance of a co	ontract received from Frank S. Ingalls
·	Arizona, bearing date of the
5th. day of January,	1910, 190, I have well, faithfully, and truly, in my own
proper person, and in strict conformity	with the instructions furnished by the United States Surveyo
General for Arizona	, the Manual of Surveying Instructions, and the laws of th
	portions of the subdivision lines of Tp.
	<u> </u>
	of the Gila and Salt
River meridian, in the T	erritoryofArizona, which are represented in the
foregoing field notes as having been surv	eyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey	have been established and perpetuated in strict accordance wit
the Manual of Surveying Instructions, and	d the special written instructions of the United States Surveyo
	and in the specific manner described in the field notes, and that
the foregoing are the original field notes	
no lotogoing are the original held hotes	or such survey.
	Affred M. Gluss United States Deputy Surveyo
	United States Denutry Symmery
•	
Subscribed by said Africa & Country this 26 th day of July	Llury, and sworn to before me)
264	2014
this 26 day of Gary	, 1900
0 /	Wanted Ingall
000000	many my
<b>ဝိဝိဝိဝဝ</b> ဝိ	ND Querel
	APPROVAL.
	AFFROVAL.
OFFICE OF THE U	JNITED STATES SURVEYOR GENERAL,
	The state of the second
,	Thours Class July 11 1911 190
The foregoing field notes of the sur	vey of a Joshon of the Ruhdwisional
lives of If 9 M. Og	2 6 Tila and Dalt Birs
Proce del Mende	an aria.
executed by Clfred	M ( ) ( ) ( ) ( ) ( ) un
under his contract No, dated	d access 1 - 19/0/190, having be
•	
	orrections and explanations made, the said field notes, and the
surveys they describe, are hereby approve	ea.
	Man I & mall
	United States Surveyor Genera
I contify that the foregoing transcori	int of the field notes of the shave described assures in
,	ipt of the field notes of the above-described surveys in
, has beer	n correctly copied from the original notes on file in this office.
	TT., 21. 1 Ct. 1 C
	United States Surveyor Genera