

2244

Book C.

Accepted by G.O. Latta
Feb. 20, 1912

2244

BOOK 2244

FIELD NOTES

OF THE SURVEY OF THE

Subdivision lines of Tp. 7 N. Rg. 2 E.

2244

2244

Of the Gila and Salt River Meridian,

Territory of Arizona

AS SURVEYED BY

Alfred N. Oliver, United States Deputy Surveyor,

Under his Contract No. 161, dated January 5, 1910, 190

Survey commenced May 26, 1910, 190

Survey completed June 1, 1910, 190

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(1A)

BOOK 2244

NAMES AND DUTIES OF ASSISTANTS.

Len Hall

Chainman

A. E. Lyon

Chainman

H. T. Hartwell

Axman

R. A. Coombs

Flagman

BOOK 2244
INDEX DIAGRAM.

Township 7 N, Range 7 E

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Meanders Page _____

PRELIMINARY OATHS OF ASSISTANTS.

WE, Len Hall and A. E. Lyon
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivision lines of Tp. 7 N. Rg. 2 E.

Len Hall, Chainman.
A. E. Lyon, Chainman.

Subscribed and sworn to before me this 26th.
day of May, 1910., 190



Alfred N. Bliss
U.S. Deputy Surveyor

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.
_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 190



WE, I. H. T. Hartwell and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given me, to the best of my skill and ability, in the survey of the subdivision lines of Tp. 7 N. Rg. 2 E.

I. H. T. Hartwell, Axman.
_____, Axman.

Subscribed and sworn to before me this 26th.
day of May 1910., 190



Alfred N. Bliss
U.S. Deputy Surveyor.

I, R. A. Coombs, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the subdivision lines of Tp. 7 N. Rg. 2 E.

R. A. Coombs, Flagman.

Subscribed and sworn to before me this 26th.
day of May, 1910., 190



Alfred N. Bliss
U.S. Deputy Surveyor.

Subdivision of Tp. 7 N. Rg. 2 E.

Chains.	<p>Survey commenced May 26, 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.</p> <p>I examine the adjustments of the transit, and find them correct; 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:</p> <p>At the cor. of secs. 1, 6, 7 and 12 on the E. bdy. of the township, which has been previously described; latitude $33^{\circ} 58' 15''$ N., longitude $112^{\circ} 05' 52''$ W.; I set off $33^{\circ} 58\frac{1}{2}'$ N. on the lat. arc; $21^{\circ} 08' 00''$ N. on the decl. arc; and at 5h. 00m. p.m., lmt. 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.</p> <p style="text-align: right;">May 26, 1910.</p> <p>May 27: At 3h. 15m. 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.</p> <p>At 6 a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ} 25'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone set May 7, on which the meridian coincides with the mark determined by the solar.</p> <p>At 7h. 00m. a.m., l.m.t., I set off $33^{\circ} 58\frac{1}{2}'$ N. on the lat. arc; $21^{\circ} 14'$ 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.</p> <p>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.</p> <p>The magnetic bearing of the true meridian, at 7h. 15m. a.m., is N. $14^{\circ} 30'$ W.; the angle thus determined gives the mag. decl. $14^{\circ} 30'$ E.</p> <p>From the cor. of secs. 1, 6, 7 and 12 on the E. boundary of the township I now run West bet. secs. 1 and 12 Descending over loose rocks, through dense brush. Left bank of New River, dry, course S. W. Leave New River and over rolling land. Cross wash 25 lks. wide course S. Set a granite stone 18 x 8 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A mesquite 8 ins. diam., bears S. $1\frac{1}{2}^{\circ}$ E. 282 lks. dist., marked $\frac{1}{4}$ S12BT. No other bearings available. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Cross fence bears N. W. and S. E. Cross wash 15 lks. wide course S. W. Cross fence bears N. E. and S. W. Cross stone fence bears N. E. and S. W. Set a granite stone 18 x 8 x 6 ins. 12 ins. in the</p>
1.63 26.20 30.60 40.00 48.75 48.80 62.40 63.10 80.00	

Subdivision of Tp. 7 N. Rg. 2 E.

Chains.	<p>ground for cor. of secs. 1, 2, 11 and 12, marked with 5 notches on S. and 1 notch on E. edges; from which A paloverde 4 ins. diam., bears N. 44° W. 205 lks. dist., marked T7NR2ES2BT. No other bearings available. Raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous and rolling and covered with loose rocks. Soil, rocky; 4th. rate. No timber Undergrowth, greasewood, paloverde and mesquite. Mountainous land and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 80.00 chs.</p>
40.00	N. 0° 01' W. bet. secs. 1 and 2 on a random line.
80.10	Set temp. ¼ sec. cor., Intersect N. bdy. of Tp. 35 lks. W. of the cor. of secs. 1, 2, 35 and 36. Thence I run
8.00	S. 0° 14' W. bet. secs. 1 and 2 Ascending over loose rocks through dense brush.
35.50	Ridge bears E. and W. descend.
40.10	Cross wash 15 lks. wide course S. E.; descend. Set a malpais stone 18 x 8 x 6 ins. 12 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable.
41.75	Cross wash 10 lks. wide course S. E.
44.00	Cross wash 20 lks. wide course S. E.
46.00	Cross wash 20 lks. wide course S. E.
52.00	Ridge bears E. and W. descend.
73.85	Cross wash 20 lks. wide course S. W.
80.10	The cor. of secs. 1, 2, 11 and 12. Land mountainous, and covered with loose rocks. Soil, rocky; 4th. rate. Undergrowth, mesquite, paloverde and greasewood. Mountainous alnd and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 80.10 chs. May 27; At this cor. I set off 21° 15½' N. on the decl. arc; and observe the sun on the meridian at noon, the resulting lat. is 33° 58' N.
12.00	S. 0° 01' E. bet. secs. 11 and 12 Over rolling land covered with dense brush, over loose rocks. Cross New River Wash, dry, 200 lks. wide course W. and ascend.
40.00	Set a malpais stone 18 x 8 x 5 ins. 12 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable.
47.00	Descend.
80.00	Set a malpais stone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 11, 12, 13 and 14, marked with 4 notches on S. and 1 notch on E. edges; from which A mesquite 5 ins. diam., bears N. 12° W. 181 lks. dist., marked T7NR2ES11BT No other bearings available. Raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous and rolling and covered with loose rocks. Soil, rocky; 4th. rate. No timber. Undergrowth, greasewood, paloverde and mesquite.

Subdivision of Tp. 7 N. Rg. 2 E.

Chains.	Mountainous land and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey, 80.00 chs.
	—————
	S. 0° 01' E. bet. secs. 13 and 14.
20.00	Ascending over loose rocks, through dense brush
37.43	Ridge bears E. and W. descend.
39.50	Cross road bears N. W. and S. E. and ascend.
40.00	Ridge bears E. and W. descend.
	Set a malpais stone 18 x 6 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
43.50	Cross wash 30 lks. wide course S. W. ascend.
59.00	Ridge bears E. and W. descend.
63.35	Cross wash 25 lks. wide course S. W. and over rolling land.
80.00	Set a malpais stone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 13, 14, 23 and 24, marked with 3 notches on S. and 1 notch on E. edges; from which A paloverde 4 ins. diam., bears N. 54 $\frac{1}{4}$ ° E. 91 lks. dist., marked T7NR2ES13BT. A paloverde 4 ins. diam., bears S. 28° E. 124 lks. dist., marked T7NR2ES24BT. A paloverde 4 ins. diam., bears S. 78° W. 125 lks. dist., marked T7NR2ES23BT. A paloverde 4 ins. diam., bears N. 72 $\frac{1}{2}$ ° W. 67 lks. dist., marked T7NR2ES14BT.
	Land, rolling and mountainous and covered with loose rocks.
	Soil, rocky; 4th. rate.
	No timber.
	Undergrowth, greasewood, paloverde and mesquite.
	Mountainous land and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 80.00 chs.
	May 27, 1910.
	—————
	May 28: At 7h. 00m. a.m., l.m.t., I set off 33° 56 $\frac{1}{2}$ ' N. on the lat. arc: 21° 24' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24
	Thence I run
	West bet. secs. 14 and 23
	Over rolling land covered with loose rocks, through dense brush.
10.75	Enter wash bears N. E. 30 lks. wide c
14.00	Leave wash course S. W. and ascend.
15.00	Ridge bears N. and S. descend.
19.00	Cross wash 30 lks. wide course S. W. and ascend.
26.60	Cross wash 15 lks. wide course S. E.
40.00	Set a malpais stone 18 x 8 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
65.00	Ridge bears N. and S. descend.
79.80	Cross fence bears N. E. and S. W.
80.00	Set a malpais stone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 14, 15, 22 and 23, marked with 3 notches on S. and 2 notches on E. edges; from which A mesquite 20 ins. diam., bears N. 16 $\frac{1}{2}$ ° E. 212 lks. dist., marked T7NR2ES14BT. A mesquite 6 ins. diam., bears S. 54° W. 88 lks. dist., marked T7NR2ES22BT.

Subdivision of Tp. 7 N. Rg. 2 E.

Chains.

A mesquite 6 ins. diam., bears N. $8\frac{1}{4}^\circ$ W. 268 lks. dist., marked T7NR2ES15BT.
 No other bearing available. Raise a mound of stone 2 ft base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 Land, mountainous and rolling, and covered with loose rocks.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, mesquite, paloverde and greasewood.
 Mountainous land and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 80.00 chs.

N. $0^\circ 01'$ W. bet. secs. 14 and 15
 Along W. slope of mountain over loose rocks, through dense brush.

- 38.00 Cross road, Phoenix to Prescott, bears N. E. and S. W.
 - 39.30 Fence bears E. and W. and over rolling land.
 - 40.00 Set a malpais stone 18 x 6 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which
 - A mesquite 12 ins. diam., bears S. $83\frac{1}{2}^\circ$ E 23 lks. dist., marked $\frac{1}{4}$ S14BT.
 - A mesquite 7 ins. diam., bears S. $89\frac{1}{2}^\circ$ W. 67 lks. dist., marked $\frac{1}{4}$ S15BT.
 - 47.00 Cross fence bears N. W. and S. E.
 - 48.55 Cross road, Phoenix to Prescott, bears N. W. and S. E.
 - 49.88 Cross fence bears N. W. and S. E.
 - 52.00 Barn bears west 100 lks. dist.
 - 54.00 John Gibsons house bears west 250 lks., cross fence bears E and W.
 - 61.50 Cross fence bears N. E. and S. W.
 - 61.80 Cross road Phoenix to Prescott, bears N. E. and S. W.
 - 63.00 Left bank of New River Wash course S. W. dry.
 - 74.35 Right bank of New River wash
 - 80.00 Set a granite stone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 10, 11, 14 and 15, marked with 4 notches on S. and 2 notches on E. edges; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 Land, rolling and covered with loose rocks.
 Soil, rocky and sandy; 4th. rate.
 No timber.
 Land covered with dense undergrowth and loose rocks, exceptionally difficult to survey, 80.00 chs.
-
- 40.00 East on a random line bet. secs. 11 and 14
 Set temp. $\frac{1}{4}$ sec. cor.
 - 79.94 Intersect N. and S. line 5 lks. S. of the cor. of secs. 11, 12, 13 and 14.
 Thence I run
 - S. $89^\circ 58'$ W. on a true line bet. secs. 11 and 14. descending over loose rocks, through dense brush.
 - 16.00 Cross wash 20 lks. wide course NW.
 - 36.00 Ridge bears N. and S. descend.
 - 39.97 Set a malpais stone 18 x 10 x 6 ins. 12 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 N. $5\frac{1}{2}^\circ$ W. 190 lks. dist., marked $\frac{1}{4}$ S11BT.
 - A paloverde 4 ins. diam., bears S. 3° W. 115 lks. dist., marked $\frac{1}{4}$ S14BT.
 - 46.00 Cross wash 15 lks. wide course N. W. ascend.
 - 58.00 Ridge bears N. and S. descend.
 - 62.00 Left bank of New River Wash, dry, course S.
 - 66.30 Cross road, phoenix to Prescott bears N. and S.
 - 78.35 Right bank of New River Wash.

Subdivision of Tp. 7 N. Rg. 2 E.

<p>Chains. 79.94</p>	<p>The cor. of secs. 10, 11, 14 and 15. Land, mountainous, and covered with loose rock. Soil, rocky; 4th. rate. No timber. Undergrowth, mesquite, paloverde and greasewood. Mountainous land and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 79.94 chs.</p>
	<p>May 28, 1910.</p>
	<p>May 29: At 7h. 00m. a.m., 1.m.t., I set off 33° 57½' N. on the lat. arc: 21° 34' N. on the decl. arc: and determine a meridian with the solar at the cor. of secs. 10, 11, 14 and 15.</p>
	<p>Thence I run N. 0° 01' W. bet. secs. 10 and 11</p>
<p>26.50 35.24 40.00</p>	<p>Ascending over loose rocks, through dense brush. Ridge bears E. and W. descend. Cross wash 25 lks. wide course N. E. ascend. Set a granite stone 18 x 8 x 6 ins. 12 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; from which A paloverde 5 ins. diam., bears N. 70¼° E. 46 lks. dist., marked ¼ S11BT. A paloverde 5 ins. diam., bears N. 27½° W. 81 lks. dist., marked ¼ S10BT.</p>
<p>66.00 70.00 73.50 80.00</p>	<p>Ridge bears N. W. and S. E. descend. Ascend. Ridge bears N. W. and S. E. descend. Set a malpais stone 18 x 10 x 5 ins. 12 ins. in the ground for cor. of secs. 2, 3, 10 and 11, marked with 5 notches on S. and 2 notches on E. edges; and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous, and covered with loose rocks. Soil, rocky; 4th. rate No timber. Undergrowth, mesquite, paloverde and greasewood. mountainous land and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 80.00 chs.</p>
	<p>N. 89° 58' E. on a random line bet. secs. 2 and 11</p>
<p>40.00 79.98</p>	<p>Set temp. ¼ sec. cor. Intersect N. and S. line 7 lks. N. of the cor. of secs. 1, 2, 11 and 12 Thence I run N. 89° 59' W.</p>
<p>9.50 29.00 39.99</p>	<p>Over rolling land through dense brush over loose rocks. Cross wash 25 lks. wide course S. W. Ridge bears N. and S. Set a granite stone 18 x 10 x 8 ins. 12 ins. in the ground for ¼ sec. cor., marked ¼ on N. face; from which A paloverde 6 ins. diam., bears N. 51¼° W. 192 lks. dist., marked ¼ S2BT. A paloverde 4 ins. diam., bears S. 75° W. 49 lks. dist., marked ¼ S11BT.</p>
<p>47.40 51.10 61.50 67.60 72.50 74.50 75.35 79.98</p>	<p>Cross wash 30 lks. wide course N. W. Cross road Phoenix to Prescott bears N. W. and S. E. Cross wash 10 lks. wide course N. E. Cross ridge bears N. and S. Cross wash 15 lks. wide course N. Ridge bears N. and S. Cross wash 10 lks. wide course N. The cor. of secs. 2, 3, 10 and 11. Land, rolling and covered with loose rocks.</p>

Subdivision of Tp. 7 N. Rg. 2 E.

Chains	Soil, rocky; 4th. rate. No timber. Undergrowth, paloverde, mesquite and greasewood. Land covered with dense undergrowth and loose rocks, exceptionally difficult to survey, 79.98 chs. May 29: At this cor. I set off 21° 35' N. on the decl. arc: and observe the sun on the meridian at noon, the resulting lat. is 33° 58' N.
40.00	N. 0° 01' W. on a random line bet. secs. 2 and 3
79.82	Set temp. $\frac{1}{4}$ sec. cor., Intersect N. bdy. of Tp. 9 lks. W. of the cor. of secs. 2, 3, 34 and 35. Thence I run
13.50	S. 0° 03' W. on a true line bet. secs. 2 and 3. Ascending over loose rocks, through dense brush.
18.50	Ridge bears S. W. and N. E. and descend. Cross wash 35 lks. wide course S. W. and over rolling land.
39.82	Set a granite stone 18 x 8 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
47.00	Ridge bears E. and W.
54.00	Cross wash 15 lks. wide course N. W.
55.60	Cross road Phoenix to Prescott, bears N. W. and S. E.
56.25	Cross wash 50 lks. wide course N. W. ascend.
79.82	The cor. of secs. 2, 3, 10 and 11. Land, rolling and mountainous and covered with loose rocks. Soil, rocky; 4th. rate. No timber. Undergrowth, greasewood, paloverde and mesquite. Mountainous land and land covered with dense undergrowth and loose rocks, 79.82 chs.
	May 29, 1910.
	May 30: At 7h. 00m. a.m., l.m.t., I set off 33° 56 $\frac{1}{2}$ ' N. on the lat. arc; 21° 43' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 14, 15, 22 and 23. Thence I run
3.19	West bet. secs. 15 and 22 Over rolling land covered with loose rocks, through dense brush.
3.55	Cross fence bears N. and S. Cross road, Phoenix to Prescott bears N. and S. and over dry bed of New River Wash
16.20	Leave New River Wash and ascend.
23.00	Ridge bears N. and S.
36.00	Cross wash 35 lks. wide course S. E.
40.00	Set a malpais stone 18 x 8 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A mesquite 10 ins. diam., bears N. 34 $\frac{1}{2}$ ° W. 25 lks. dist., marked $\frac{1}{4}$ S15BT A mesquite 12 ins. diam., bears S. 41 $\frac{1}{2}$ ° E. 153 lks. dist., marked $\frac{1}{4}$ S22BT.
42.00	Cross wash 30 lks. wide course S. E.
50.60	Cross wash 20 lks. wide course S. E.
58.00	Ridge bears N. and S.
80.00	Set a malpais stone 20 x 8 x 8 ins. 15 ins. in the ground for cor. of secs. 15, 16, 21 and 22, marked with 3 notches on S. and E. edges; from which An. ironwood 10 ins. diam., bears N. 2 $\frac{1}{2}$ ° W. 33

Subdivision of Tp. 7 N. Rg. 3 E.

Chains.	lks. dist., marked T7NR2ES16BT. No other bearings available. Raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous and rolling, and covered with loose rocks. Soil, rocky; 4th. rate. No timber. Undergrowth, paloverde, mesquite and greasewood. Mountainous land and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 80.00 chs.
13.00	N. 0° 02' W. bet. secs. 15 and 16 Ascending through dense brush over loose rocks.
22.60	Ridge bears E. and W. descend.
33.00	Cross wash 20 lks. wide course S. E. ascend.
40.00	Ridge bears E. and W. descend. Set a quartz stone 18 x 12 x 6 ins. 12 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; from which A paloverde 4 ins. diam., bears N. 75¾° W. 53 lks. dist., marked ¼S16BT. A paloverde 6 ins. diam., bears S. 78° E. 147 lks. dist., marked ¼S15BT.
69.50	Ascend. Ridge bears E. and W. descend.
77.00	Cross wash 15 lks. wide course N. E. ascend.
80.00	Set a malpais stone 18 x 8 x 8 ins. 12 ins. in the ground for cor. of secs. 9, 10, 15 and 16, marked with 4 notches on S. and 3 notches on E. edges; from which A paloverde 4 ins. diam., bears N. 59¼° E. 103 lks. dist., marked T7NR2ES10BT. A paloverde 4 ins. diam., bears S. 20¾° E. 144 lks. dist., marked T7NR2ES15BT. A paloverde 4 ins. diam., bears S. 47½° W. 141 lks. dist., marked T7NR2ES16BT. A paloverde 4 ins. diam., bears N. 6° W. 83 lks. dist., marked T7NR2ES9BT.
	Land, mountainous and covered with loose rocks. Soil, rocky; 4th. rate. No timber. Undergrowth, mesquite, greasewood and paloverde. Mountainous land and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 80.00 chs. May 30: At this cor. I set off 21° 44' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 57½' N.
40.00	East on a random line bet. secs. 10 and 15
80.02	Set temp. ¼ sec. cor. Intersect N. and S. line 9 lks. S. of the cor. of secs. 10, 11, 14 and 15 Thence I run S. 89° 56' W. bet. secs. 10 and 15 Over rolling mountainous land through dense brush, over loose rocks.
33.00	Cross wash 20 lks. wide course S. E.
40.01	Set a granite stone 18 x 6 x 6 ins. 12 ins. in the ground for ¼ sec. cor., marked ¼ on N. face; and raise a mound of stone 2 ft. base 1½ ft. high, N. of cor. Pits impracticable.
62.75	Cross wash 15 lks. wide course N. E.
71.65	Cross wash 15 lks. wide course N. E.
78.15	Cross wash 15 lks. wide course N. E.
80.02	The cor. of secs. 9, 10, 15 and 16.

Subdivision of Tp. 7 N. Rg. 3 E.

Chains. Land, mountainous and covered with loose rocks.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, mesquite, paloverde and greasewood.
 Mountainous alnd and land covered with dense undergrowth
 and loose rocks, exceptionally difficult to survey 80.02
 chs.

May 30, 1910.

May 31: At 7h. 00m. a.m., l.m.t., I set off 33° 58' N.
 on the lat. arc; 21° 52' N. on the decl. arc; and
 determine a meridian with the solar at the cor. of secs.
 2, 3, 10 and 11

Thence I run

West bet. secs. 3 and 10

Ascending over loose rocks, through dense brush.

1.00 Ridge bears N. and S. descend.

12.75 Cross wash 25 lks. wide course N. E. ascend.

18.55 Cross wash 20 lks. wide course N. E.

28.25 Cross wash 20 lks. wide course N. E.

33.50 Ridge bears N. and S. descend.

40.00 Set a quartz stone 20 x 10 x 6 ins. 15 ins. in the
ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which

A paloverde .5 ins. diam., bears N. 9° W. 59
lks. dist., marked $\frac{1}{4}$ S3BT.

A paloverde 6 ins. diam., bears S. 13 $\frac{1}{2}$ ° W. 11
lks. dist., marked $\frac{1}{4}$ S10BT.

45.75 Cross wash 25 lks. wide course N. W. ascend.

56.00 Ridge bears N. W. and S. E. descend.

66.40 Cross wash 25 lks. wide course N. W. ascend.

78.00 Ridge bears N. and S. descend.

80.00 Set a quartz stone 20 x 8 x 8 ins. 15 ins. in the
ground for cor. of secs. 3, 4, 9 and 10, marked with 5
notches on S. and 3 notches on E. edges; from which

A paloverde .4 ins. diam., bears N. 69 $\frac{1}{2}$ ° E. 195
lks. dist., marked T7NR2ES3BT.

A paloverde 4 ins. diam., bears S. 13 $\frac{1}{2}$ ° E. 165
lks. dist., marked T7NR2ES10BT.

A paloverde 5 ins. diam., bears S. 53° W. 125
lks. dist., marked T7NR2ES9BT.

A paloverde 4 ins. diam., bears N. 44 $\frac{1}{4}$ ° W. 113
lks. dist., marked T7NR2ES4BT.

Land, mountainous, and covered with loose rocks.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, paloverde, mesquite and greasewood.

Mountainous land and land covered with dense undergrowth
and loose rocks, exceptionally difficult to survey 80.00
chs.

May 31: At thsi cor. I set off 21° 53' N. on the decl.
arc; and observe the sun on the meridian at noon; the
resulting lat. is 33° 58' N.

N. 0° 02' W. on a random line bet. secs. 3 and 4

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.68 Intersect N. bdy. of Tp. 12 lks. E. of the cor. of secs.
3, 4, 33 and 34.

Thence I run

S. 0° 07' E. bet. secs. 3 and 4

Over rolling land covered with loose rocks, through dense
brush.

5.75 Cross wash 30 lks. wide course N. W.

7.65 Cross road bears N. W. and S. E.

8.75 Cross wash 50 lks. wide course N. W. ascend.

Subdivision of Tp. 7 N. Rg. 2 E.

Chains.	
17.00	Cross drain 7 lks. wide course N. W.
21.00	Cross drain 7 lks. wide course N. W.
39.68	Set a malpais stone 20 x 8 x 6 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
55.50	Ridge bears S. E. and N. W. and along S. W. slope.
79.68	The cor. of secs. 3, 4, 9 and 10. Land, rolling and mountainous, and covered with loose rocks. Soil, rocky; 4th. rate. No timber. Undergrowth, mesquite, greasewood and paloverde. Mountainous and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 79.68 chs.
	May 31, 1910.
	June 1: At 7h. 00m., a.m., l.m.t., I set off $33^{\circ} 59'$ N. on the lat. arc; $22^{\circ} 00\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32 on the N. bdy. of the Tp. Thence I run S. $0^{\circ} 03'$ E. bet. secs. 5 and 6 Over rolling land covered with loose rocks, through dense brush.
0.90	Wash, 10 lks. wide, course SW.
3.85	Cross wash 15 lks. wide course S. W.
4.65	Cross wash 25 lks. wide course W.
14.50	Ridge bears E. and W.
17.20	Cross wash 25 lks. wide course W.
32.00	Ridge bears E. and W.
40.00	Set a malpais stone 20 x 8 x 6 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which An ironwood 10 ins. diam., bears S. $74\frac{1}{4}^{\circ}$ W. 132 lks. dist., marked $\frac{1}{4}$ S6BT. A paloverde 6 ins. diam., bears N. $54\frac{1}{2}^{\circ}$ E. 108 lks. dist., marked $\frac{1}{4}$ S5BT.
41.25	Cross wash 10 lks. wide course W.
50.60	Cross wash 50 lks. wide course W. ascend steep N. slope.
80.00	Mark a cross on a malpais rock in place $5 \times 3\frac{1}{2} \times 1\frac{1}{2}$ ft. above ground for exact point for cor. of secs. 5, 6, 7 and 8, marked with 5 notches on S. and E. edges; from which A paloverde 5 ins. diam., bears N. $35\frac{1}{4}^{\circ}$ E. 268 lks. dist., marked T7NR2ES5BT. A mesquite 6 ins. diam., bears S $52\frac{3}{4}^{\circ}$ E. 110 lks. dist., marked T7NR2ES8BT. A paloverde 6 ins. diam., bears S. $40\frac{3}{4}^{\circ}$ W. 107 lks. dist., marked T7NR2ES7BT. A paloverde 5 ins. diam., bears N. $53\frac{1}{4}^{\circ}$ W. 119 lks. dist., marked T7NR2ES6BT. Land, rolling and mountainous and covered with loose rocks. Soil, rocky; 4th. rate. No timber. Undergrowth, mesquite, paloverde and greasewood. Mountainous land and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 80.00 chs.
	West bet. secs. 6 and 7 Along N. W. slope covered with loose rocks, through dense brush.

Subdivision of Tp. 7 N. Rg. 2 E.

Chains	
16.00	Ridge bears N. E. and S. W. descend.
36.00	Cross wash 30 lks. wide course N. E. and over rolling land, leave loose rocks and brush.
40.00	Set a malpais stone 18 x 8 x 8 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
43.00	Left bank of Agua Fria River, dry, course S. W.
54.30	Right bank of Agua Fria River.
55.21	Cross fence bears N. E. and S. W.
56.65	Joe Roderick's house bears N. 100 lks. dist.
57.29	Tool house on line.
59.20	Cross fence bears N. E. and S. W.
60.52	Cross fence bears N. E. and S. W.
63.30	Cross ditch course S. 6 lks. wide
63.42	Cross fence bears N. and S.
72.82	Intersect W. bdy. of Tp. 5.55 chs. North of the cor. of secs. 1 and 12, and set a malpais stone 18 x 8 x 8 ins. 12 ins. in the ground for closing cor. of secs. 6 and 7, marked CC on E. with 1 groove on N. and 5 grooves on S. faces; from which An ironwood 5 ins. diam., bears N. $20\frac{1}{2}^{\circ}$ E. 141 lks. dist., marked CCT7NR2ES6BT. No other bearing available. Dig pits 24 x 18 x 12 ins. crosswise on each line, N. and S. 3 ft. and E. of stone 7 ft. dist.; and raise a mound of earth, 4 ft. base 2 ft. high, E. of cor. Land mountainous and rolling. Soil, rocky and loamy 1st. and 4th. rate. No timber. Undergrowth, paloverde, greasewood, and mesquite. Mountainous land and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 36.00 chs. June 1: At this cor. I set off $22^{\circ} 01\frac{1}{2}'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $33^{\circ} 58'$ N.
6.50	S. $0^{\circ} 03'$ E. bet. secs. 7 and 8
24.50	Ascend N. slope over loose rocks, through dense brush
33.00	Ridge bears E. and W., and descend along Steep S. slope.
40.00	Rim of mesa, and over mesa.
	Rim of mesa and descend along S. E. slope.
	Set a malpais stone 20 x 10 x 6 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. $84\frac{1}{2}^{\circ}$ W. 82 lks. dist., marked $\frac{1}{4}$ S7BT. An ironwood 4 ins. diam., bears N. 88° E. 152 lks. dist., marked $\frac{1}{4}$ S8BT.
61.00	Cross wash 15 lks. wide course S. E.
67.00	Cross wash 15 lks. wide course S. E.
70.60	Cross wash 20 lks. wide course E.
80.00	Point for cor. falls in wash 20 lks. wide course S. E.
80.40	Set a malpais stone 20 x 8 x 6 ins. 15 ins. in the ground for witness cor. to cor. of secs. 7, 8, 17 and 18 marked WC on N. E. face, with 4 notches on S. and 5 notches on E. edges; and 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, mesquite, paloverde and greasewood. Mountainous land and land covered with dense undergrowth and loose rocks, exceptionally difficult to survey 80.0 chs.

Subdivision of Tp. 7 N. Rg. 2 E.

Chains.

17.50 West bet. secs. 7 and 18, from true point for cor.
 40.00 Ascend steep slope over loose rocks, through dense brush
 Ridge bears N. and S. descend.
 Set a malpais stone 18 x 6 x 6 ins. 12 ins. in the
 ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a
 mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits
 impracticable.
 44.25 Cross wash 60 lks. wide course N. ascend.
 57.43 Rim of mesa and over mesa.
 72.95 Intersect W. bdy. of Tp. 6.49 chs. N.0° 21' E. of the
 cor. of secs. 7, 12, 13 and 18, of which I destroy the
 bearings E. of the line, and set a malpais stone 20 x 8 x
 x 6 ins. 15 ins. in the ground for closing cor. of secs.
 7 and 18, marked CC on E., with 4 grooves on S. and 2
 grooves on N. faces; and raise a mound of stone 2 ft.
 base $1\frac{1}{2}$ ft. high, E. of cor. Pits impracticable.
 Land, mountainous, and covered with loose rock.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, mesquite, paloverde and greasewood.
 Mountainous land and land covered with dense undergrowth
 and loose rocks, exceptionally difficult to survey,
 72.95 chs.

June 1, 1910.

GENERAL DESCRIPTION

This township is rough and mountainous. The soil is generally rocky and worthless excepting a few small patches along the Agua Fria River and New River. There is no water in the township except during the wet season when water flows in the Agua Fria River and New River Wash. There is no timber in the township. There is one settler in sec. 6 and one in sec. 15. It was necessary to subdivide this township in the manner given in these notes in order to include the claim of Jack Gibson and the agricultural and grazing land which would have been omitted from the survey if the sections indicated in the special instructions had been surveyed.

There were no subdivisions surveyed in Tp. 6 N. Rg. 2 E. because there was no settler or agricultural or grazing land in that Township.

Alfred N. Oliver
 U. S. Deputy Surveyor.

LIST OF NAMES.

BOOK 2244

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A list of the names of the individuals employed by Alfred N. Oliver
United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of the
subdivision lines of Tp. 7 N. Rg. 2 E.

Showing the respective capacities in which they acted:

- Len Hall Chainman.
- A. E. Lyon Chainman.
- Moundman.
- Moundman.
- H. T. Hartwell Axman.
- Axman.
- R. A. Coombs Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alfred N. Oliver
United States Deputy Surveyor, in surveying all
those parts or portions of the the subdivision lines of Tp. 7 N. Rg. 2 E.

..... of the Gila and
Salt River meridian, Territory of Arizona.
which are represented
in the foregoing 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 Arizona

- Len Hall Chainman.
- A. E. Lyon Chainman.
- Moundman.
- Moundman.
- H. T. Hartwell Axman.
- Axman.
- R. A. Coombs Flagman.

Subscribed and sworn to before me this 1st.
day of June, 1910., 190

Alfred N. Oliver
U.S. Deputy Surveyor.



No notary available without loss of time and great expense.

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BOOK 224A

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfred N. Oliver, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 5th day of January, 1910, 1900, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivision lines of Tp. 7 N. Rg. 3 E.

..... of the Gila and Salt River meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed 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 with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Alfred N. Oliver
United States Deputy Surveyor.

Subscribed by said Alfred N. Oliver, and sworn to before me }
this 24th day of July, 1900

Frank S. Ingalls
United States Surveyor General



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona July 11, 1900

The foregoing field notes of the survey of a portion of the subdivisional lines of Tp. 7 N. Rg. 3 E., Gila and Salt River Meridian, Arizona

executed by Alfred N. Oliver U.S. Deputy Surveyor under his contract No. 161, dated January 5-1910, 1900, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
United States 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.

United States Surveyor General.