

2811  
4-679

Book "U"

BOOK 2811

JAN 30 1914

Subdivisions

# FIELD NOTES

OF THE SURVEY OF THE

Subdivision lines of Tp. 4 N. Rg. 11 W.

2811

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

John F. Hesse

In the capacity of U. S. Surveyor, under instructions dated February 10, 1914, issued by the United States Surveyor General to govern surveys included in Group No. 32, which were approved by the Commissioner of the General Land Office, February 20, 1914, pursuant to authority contained in the Act of Congress dated June 23, 1913

Survey commenced May 20, 1914

Survey completed May 30, 1914

# Book "U"

BOOK 2811

## INDEX DIAGRAM.

Township 4 North , Range 11 West  
First Standard Parallel North

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23		23		18		13		9		4
18	22	17	17	16	13	15	8	14	3	13
22		22		17		12		8		3
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- Notes in Book "A" this Group
- " " " "B" " "
- Surveyed
- Unsurveyed

## Subdivision of Tp. 4 N. Rg. 11 W.

Chains. Survey commenced May 20, 1914, and executed by John F. Hesse, U.S. Surveyor, under instructions for Group 32, Arizona, using a Young and Sons light mountain transit, No. 8588, described in book "A".

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:

At camp which is located near the cor. of secs. 2, 3, 34 and 35 on the S. bdy. of Tp. 4 N. Rg. 11 W. latitude  $33^{\circ} 38' 12''$  N., longitude  $113^{\circ} 22' 33''$  W.; I set off  $33^{\circ} 38'$  N. on the lat. arc;  $19^{\circ} 59\frac{1}{2}'$  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 my station.

May 20, 1914.

1914

May 21: At 3h. 39m. 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 6h. 30m. a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ} 23'$  to the west, and mark the meridian thus determined, by cutting a small groove in the stone set May 20, on which the meridian falls 0.2 ins. east of the mark determined by the solar.

At 7h. 00m. a.m., l.m.t., I set off  $33^{\circ} 38'$  N. on the lat. arc;  $20^{\circ} 06\frac{1}{2}'$  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 falls 0.2 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about 0' 11" east and west of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7h. 10m. a.m., is N.  $14^{\circ} 30'$  W.; the angle thus determined gives the mag. decl.  $14^{\circ} 30'$  E.

I commence at the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp. recently established by Jesse B. Wright U. S. Surveyor, as described in book "A"

Thence I run

N.  $0^{\circ} 01'$  W. bet. secs. 35 and 36.

Over level land, through dense brush.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{2}$ S35 in W. S36 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 25, 26, 35 and 36, marked on brass cap

T4NR11W in N. and

1914 in S. half;

S26 in N. W.

S25 in N. E.

S36 in S. E. and

S35 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.

Land, level.

Soil, sandy loam, dry, medium texture; 1st. rate.

## Subdivision of Tp. 4 N. Rg. 11 W.

chains.

- No timber.  
Undergrowth, greasewood.
- 
- East on a random line bet. secs. 25 and 36.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.00 Intersect E. bdy. of Tp. at the cor. of secs. 25, 30, 31 and 36., estab. by me as described in book "B"  
Thence I run  
West on a true line bet. secs. 25 and 36.  
Over level land, through dense brush.  
15.25 Cross wash 12 lks. wide course S.  
40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S25 in N. and S36 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.  
58.40 Cross wash 10 lks. wide course S.  
80.00 The cor. of secs. 25, 26, 35 and 36.  
Land, level.  
Soil, sandy loam, dry, medium texture; 1st. rate.  
No timber.  
Undergrowth, greasewood.
- 
- N.  $0^{\circ} 01'$  W. bet. secs. 25 and 26.  
Over level land, through dense brush.  
40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S26 in W. S25 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.  
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 23, 24, 25 and 26, marked on brass cap  
T4NR11W in N. and  
1914 in S. half;  
S23 in N. W.  
S24 in N. E.  
S25 in S. E. and  
S26 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
Land, level.  
Soil, sandy loam, dry, medium texture; 1st. rate.  
No timber.  
Undergrowth, greasewood and paloverde.
- 
- East on a random line bet. secs. 24 and 25.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.02 Intersect E. bdy. of Tp. 5 lks. S. of the cor. of secs. 19, 24, 25 and 30., estab. by me as described in book "B"  
Thence I run  
S.  $89^{\circ} 58'$  W. on a true line bet. secs. 24 and 25.  
Over level land, through dense brush.  
40.01 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S24 in N. and S25 1914 in S. half; from which  
A paloverde 8 ins. diam., bears N.  $88^{\circ}$  E. 205 lks. dist., marked  $\frac{1}{4}$ S24BT.  
A paloverde 8 ins. diam., bears S.  $45^{\circ}$  W. 59 lks. dist., marked  $\frac{1}{4}$ S25BT.  
80.02 The cor. of secs. 23, 24, 25 and 26.  
Land, level.  
Soil, sandy loam, mixed with gravel and small rocks; 2nd. rate.

## Subdivision of Tp. 4 N. Rg. 11 W.

## Chains.

No timber.

Undergrowth, greasewood, ironwood and paloverde.

Note: May 21: At this cor. I set off  $20^{\circ} 08\frac{1}{2}'$  N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $33^{\circ} 40'$  N.

- N.  $0^{\circ} 01'$  W. bet. secs. 23 and 24.  
Over level land, through dense brush.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S23 in W. S24 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor..
- 55.40 Cross wash 15 lks. wide course S. W.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 13, 14, 23 and 24, marked on brass cap  
T4NR11W in N. and  
1914 in S. half;  
S14 in N. W.  
S13 in N. E.  
S24 in S. E. and  
S23 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
Land, level.  
Soil, sandy loam, dry, medium texture; 1st. rate.  
No timber.  
Undergrowth, greasewood and paloverde..

- N.  $89^{\circ} 58'$  E. on a random line bet. secs. 13 and 24.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.98 Intersect E. bdy. of Tp. 2 lks. S. of the cor. of secs. 13, 18, 19 and 24, **estab. by me as described in book "B"**  
Thence I run
- S.  $89^{\circ} 57'$  W. on a true line bet. secs. 13 and 24.  
Over level land, through dense brush.
- 9.45 Cross wash 40 lks. wide course S. W.
- 23.00 Cross wash 15 lks. wide course S. W.
- 39.99 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S13 in N. and S24 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.
- 46.40 Cross wash 15 lks. wide course S. W.
- 79.98 The cor. of secs. 13, 14, 23 and 24.  
Land, level.  
Soil, sandy loam, dry, medium texture; 1st. rate.  
No timber.  
Undergrowth, greasewood and paloverde.

May 21, 1914.

1914

- May 22: At 7h. 00m. a.m., l.m.t., I set off  $33^{\circ} 41'$  N. on the lat. arc;  $20^{\circ} 19'$  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
- N.  $0^{\circ} 01'$  W. bet. secs. 13 and 24.  
Over level land, through dense brush.
- 16.50 Cross wash 8 lks. wide course S. E.
- 26.20 Cross same wash 8 lks. wide course S. W.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the

## Subdivision of Tp. 4 N. Rg. 11 W.

## Chains.

- ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S14 in W. S13 in E. and 1914 in S. half; from which  
 A paloverde 14 ins. diam., bears S.  $76\frac{1}{2}^{\circ}$  E. 122 lks. dist., marked  $\frac{1}{4}$ S13BT.  
 A paloverde 8 ins. diam., bears S.  $69\frac{1}{4}^{\circ}$  W. 295 lks. dist., marked  $\frac{1}{4}$ S14BT.
- 48.70 Cross road bears N. E. and S. W.  
 54.90 Cross road bears N. E. and S. W.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 11, 12, 13 and 14, marked on brass cap  
 T4NR11W in N. and 1914 in S. half;  
 S11 in N. W.  
 S12 in N. E.  
 S13 in S. E., and  
 S14 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
 Land, level.  
 Soil, 0 to 16.50 chs. sandy loam, dry, medium texture; 1st. rate. 16.50 to 80.00 chs. sandy mixed with rocks and gravel; 2nd. rate.  
 No timber.  
 Undergrowth, greasewood, ironwood and paloverde.
- 
- N.  $89^{\circ} 57'$  E. on a random line bet. secs. 12 and 13.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.04 Intersect E. bdy. of Tp. at the cor. of secs. 7, 12, 13 and 18, estab. by me as described in book "B"  
 Thence I run  
 S.  $89^{\circ} 57'$  W. on a true line bet. secs. 12 and 13.  
 Over level land, through dense brush.
- 33.90 Cross wash 15 lks. wide course S. W.  
 39.00 Cross road bears N. E. and S. W.  
 40.02 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S12 in N. and S13 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.  
 51.00 Cross road bears N. E. and S. W.  
 62.20 Cross wash 20 lks. wide course S.  
 80.04 The cor. of secs. 11, 12, 13 and 14.  
 Land, level.  
 Soil, 0 to 62.20 chs. sandy, mixed with rocks and gravel; 3rd. rate; 62.20 to 80.04 chs. sandy loam, dry, medium texture; 1st. rate.  
 No timber.  
 Undergrowth, greasewodd, paloverde and ironwood.
- 
- N.  $0^{\circ} 01'$  W. bet. secs. 11 and 12.  
 Over rolling land, through dense brush.
- 29.20 Cross wash 20 lks. wide course S. E.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S11 in W. S12 in E. and 1914 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 44.85 Cross wash 10 lks. wide course S. E.  
 53.50 Cross wash 15 lks. wide course S. E.  
 79.30 Cross wash 12 lks. wide course S. E.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 1, 2, 11 and 12, marked on brass cap  
 T4NR11W in N. and 1914 in S. half;  
 S2 in N. W..

## Subdivision of Tp. 4 N. Rg. 11 W.

## Chains

S1 in N. E.  
 S12 in S. E. and  
 S11 in S. W. quadrant; from which  
 A paloverde 7 ins. diam., bears N.  $67\frac{1}{4}^{\circ}$  W. 176  
 lks. dist., marked T4NR11WS2BT.  
 A paloverde 6 ins. diam., bears N.  $42\frac{3}{4}^{\circ}$  E. 170  
 lks. dist., marked T4NR11WS1BT.  
 An ironwood 6 ins. diam., bears S.  $87\frac{1}{4}^{\circ}$  E. 130  
 lks. dist., marked T4NR11WS12BT.  
 A paloverde 5 ins. diam., bears S.  $70\frac{1}{2}^{\circ}$  W. 120  
 lks. dist., marked T4NR11WS11BT.

Land, rolling.  
 Soil, rocky; 4th. rate.  
 No timber.

Undergrowth, greasewood, ironwood and paloverde.

Note: May 22: At this cor. I set off  $20^{\circ} 20\frac{1}{2}'$  N. on the decl.  
 arc; and observe the sun on the meridian at noon; the  
 resulting lat. is  $33^{\circ} 42\frac{1}{2}'$  N.

N.  $89^{\circ} 57'$  E. on a random line bet. secs. 1 and 12.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.94 Intersect E. bdy. of Tp. 5 lks. N. of the true point for cor.  
 of secs. 1, 6, 7 & 12, estab. by me as described in book "B"  
 Thence I run, from true point for cor.  
 S.  $89^{\circ} 59'$  W. on a true line bet. secs. 1 and 12.  
 Over rolling land, through dense brush, in wash.  
 0.64 Leave wash bears S. W.  
 11.00 Cross wash 15 lks. wide course S. W.  
 28.50 Cross wash 12 lks. wide course S.  
 36.00 Cross wash 10 lks. wide course S.  
 39.97 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S1 in N.  
 and S12 1914 in S. half; from which,  
 An ironwood 8 ins. diam., bears N.  $30^{\circ}$  W. 21  
 lks. dist., marked  $\frac{1}{4}$  S1BT.  
 A paloverde 4 ins. diam., bears South 173  
 lks. dist., marked  $\frac{1}{4}$  S12BT.  
 79.94 The cor. of secs. 1, 2, 11 and 12.  
 Land, rolling,  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth, greasewood, paloverde and ironwood.

N.  $0^{\circ} 01'$  W. on a true line, bet. secs. 1 and 2.  
 Over rolling land, through dense brush.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S2 in W.  
 S1 in E. and 1914 in S. half; from which  
 An ironwood 4 ins. diam., bears N.  $65\frac{1}{2}^{\circ}$  E. 141  
 lks. dist., marked  $\frac{1}{4}$  S1BT.  
 A paloverde 4 ins. diam., bears S.  $30^{\circ}$  W. 87  
 lks. dist., marked  $\frac{1}{4}$  S2BT.  
 48.00 Ascend over point of spur.  
 53.70 Top of spur bears N. W. and S. E. descend.  
 58.50 Ascend.  
 62.50 Top of spur bears N. W. and S. E. descend.  
 65.00 Over rolling land.  
 74.25 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground for witness cor. to closing cor. of secs. 1 & 2, marked  
 on brass cap  
 WCCC N. of center;  
 T5N R11W S36 R10W S31 in N. and  
 1914 in S. half;  
 S1 in S. E. and  
 S2 in S. W. quadrant; and raise a mound of stone 2 ft.  
 base  $1\frac{1}{2}$  ft. high, S. of cor. Pits impracticable.

## Subdivision of Tp. 4 N. Rg. 11 W.

Chains.

74.92 Point in wash 25 lks. wide course S. E. Intersect 1st. Standard Parallel North 11.34 chs. W. of the standard cor. of Tps. 5 N. Rgs. 10 and 11 W. which is a stone marked and witnessed as described by the surveyor general.  
Land, rolling and mountainous.  
Soil, rocky; 4th. rate.  
No timber.  
Undergrowth, greasewood, ironwood and paloverde.

May 22, 1914.

1914

May 23: At 7h. 00m. a.m., l.m.t., I set off  $33^{\circ} 38'$  N. on the lat. arc;  $20^{\circ} 30\frac{1}{2}'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35 on the S. bdy. of the Tp., recently established by Jesse B. Wright, U. S. Surveyor, as described in book "A"

Thence I run

N.  $0^{\circ} 01'$  W. bet. secs. 34 and 35.

Over level land, through dense brush.

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

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S34 in W. S35 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35, marked on brass cap

T4NR11W in N. and

1914 in S. half;

S27 in N. W.

S26 in N. E.

S35 in S. E. and

S34 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.

Land, level.

Soil, sandy loam, dry, medium texture; 1st. rate.

No timber.

Undergrowth, greasewood and mesquite.

East on a random line bet. secs. 26 and 35.

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

79.86 Intersect N. and S. line 14 lks. S. of the cor. of secs. 25, 26, 35 and 36.

Thence I run

S.  $89^{\circ} 54'$  W. on a true line bet. secs. 26 and 35.

Over level land, through dense brush.

39.93 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S26 in N. and S35 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.

79.86 The cor. of secs. 26, 27, 34 and 35.

Land, level.

Soil, sandy loam, dry, medium texture; 1st. rate.

No timber.

Undergrowth, greasewood and mesquite.

N.  $0^{\circ} 01'$  W. bet. secs. 26 and 27.

Over level land, through dense brush.

10.00 Ascend, leave brush.

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

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## Chains.

38.50. Over level land, through dense brush.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S27 in W. S26 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, marked on brass cap  
 T4NR11W in N. and 1914 in S. half;  
 S22 in N. W.  
 S23 in N. E.  
 S26 in S. E. and S27 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
 Land, level, and mountainous.  
 Soil, sandy loam, dry, medium texture; 1st. rate: except from 10.00 to 38.50 chs. which is rocky; 4th. rate.  
 No timber.  
 Undergrowth, greasewood and mesquite.

✓ N.  $89^{\circ} 54'$  E. on a random line bet. secs. 23 and 26.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.90 Intersect N. and S. line 2 lks. N. of the cor. of secs. 23, 24, 25 and 26.

Thence I run  
 ✓ S.  $89^{\circ}$  55' W. on a true line bet. secs. 23 and 26.  
 Over level land, through dense brush.  
 39.95 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S23 in N. and S26 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.  
 79.90 The cor. of secs. 22, 23, 26 and 27.  
 Land, level.  
 Soil, sandy loam, dry, medium texture; 1st. rate.  
 No timber.  
 Undergrowth, greasewood and mesquite.

Note May 23: At this cor. I set off  $20^{\circ} 32'$  N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $33^{\circ} 40'$  N.

N.  $0^{\circ} 01'$  W. bet. secs. 22 and 23.  
 Over level land, through dense brush.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S22 in W. S23 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.  
 72.00 Cross road bears N. E. and S. W.  
 76.50 Cross wash 10 lks. wide course S. W.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23, marked on brass cap  
 T4NR11W in N. and 1914 in S. half;  
 S15 in N. W.  
 S14 in N. E.  
 S23 in S. E. and S22 in S. W. quadrant; from which  
 An ironwood 8 ins. diam., bears N.  $62\frac{3}{4}^{\circ}$  W. 216 lks. dist., marked T4NR11WS15BT.  
 A paloverde 8 ins. diam., bears N.  $15\frac{3}{4}^{\circ}$  E. 238 lks. dist., marked T4NR11WS14BT.

## Subdivision of Tp. 4 N. Rg. 11 W.

## Chains

An ironwood 30 ins. diam., bears S. 52° E. 60  
lks. dist., marked T4NR11WS23BT  
An ironwood 5 ins. diam., bears S. 50 $\frac{1}{4}$ ° W. 211  
lks. dist., marked T4NR11WS22BT.

Land, level.

Soil, sandy loam, dry, medium texture; 1st. rate.

No timber.

Undergrowth, greasewood and paloverde, and ironwood.

40.00 N. 89° 55' E. on a random line bet. secs. 14 and 23.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.86 Intersect N. and S. line 2 lks. S. of the cor. of secs.  
13, 14, 23 and 24.

Thence I run

39.93 S. 89° 54' W. on a true line bet. secs. 14 and 23.  
Over level land, through dense brush.  
Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S14 in N.  
and S23 1914 in S. half; dig pits 18 x 18 x 12 ins. E.  
and W. of post 3 ft. dist., and raise a mound of earth  
3 $\frac{1}{2}$  ft. base 1 $\frac{1}{2}$  ft. high, N. of cor.  
63.15 Cross road bears N. E. and S. W.  
79.20 Cross wash 10 lks. wide course S. E.  
79.86 The cor. of secs. 14, 15, 22 and 23.

Land, level.

Soil, sandy loam, dry, medium texture; 1st. rate.

No timber.

Undergrowth, greasewood, paloverde and ironwood.

May 23, 1914.

1914

May 26: At 7h. 00m. a.m., 1.m.t., I set off 33° 41' N. on  
the lat. arc; 21° 04' 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

0.70 N. 0° 01' W. bet. secs. 14 and 15.  
Over rolling land, through dense brush.  
4.70 Cross wash 10 lks. wide course S. E.  
6.80 Cross same wash 10 lks. wide course S. W.  
9.00 Cross road bears N. E. and S. W.  
29.50 Cross wash 10 lks. wide course S. E.  
40.00 Cross wash 15 lks. wide course S. E.  
Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S15 in W.  
S14 in E. and 1914 in S. half; from which  
A paloverde 8 ins. diam., bears S. 64° W. 129  
lks. dist., marked  $\frac{1}{4}$ S15BT.  
No other bearing available. Dig pits 18 x 18 x 12 ins.  
N. and S. of post 3 ft. dist., and raise a mound of earth  
3 $\frac{1}{2}$  ft. base 1 $\frac{1}{2}$  ft. high, W. of cor.  
54.00 Cross wash 12 lks. wide course S. E.  
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the  
ground for cor. of secs. 10, 11, 14 and 15, marked on  
brass cap

T4NR11W in N. and  
1914 in S. half;

S10 in N. W.

S11 in N. E.

S14 in S. E. and

S15 in S. W. quadrant; from which

A paloverde 10 ins. diam., bears N. 14 $\frac{3}{4}$ ° W. 219  
lks. dist., marked T4NR11WS10BT.

A paloverde 8 ins. diam., bears N. 39 $\frac{3}{4}$ ° E. 97  
lks. dist., marked T4NR11WS11BT.

A paloverde 8 ins. diam., bears S. 80 $\frac{1}{4}$ ° E. 28  
lks. dist., marked T4NR11WS14BT.

An ironwood 8 ins. diam., bears S. 81 $\frac{1}{4}$ ° W. 139  
lks. dist., marked T4NR11WS15BT.

Subdivision of Tp. 4 N. Rg. 11 W.

Chains.

Land, rolling.  
Soil, sandy, gravelly and rocky; 3rd. rate.  
No timber.  
Undergrowth, greasewood, paloverde and ironwood.

40.00 N. 89° 54' E. on a random line bet. secs. 11 and 14.  
Set temp. 1/4 sec. cor.  
79.90 Intersect N. and S. line 9 lks. N. of the cor. of secs. 11, 12, 13 and 14.

Thence I run

39.95 S. 89° 58' W. on a true line bet. secs. 11 and 14.  
Over rolling land, through dense brush.  
Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S11 in N. and S14 1914 in S. half; from which  
An ironwood 4 ins. diam., bears N. 50° W. 104 lks. dist., marked 1/4 S11BT.  
An ironwood 5 ins. diam., bears S. 40° W. 118 lks. dist., marked 1/4 S14BT.

71.80 Cross wash, 15 lks. wide, course S3.  
79.90 The cor. of secs. 10, 11, 14 & 15. Land, rolling.  
Soil, sandy, gravelly and rocky; 4th. rate.  
No timber.  
Undergrowth, greasewood, paloverde and ironwood.

18.60 N. 0° 01' W. bet. secs. 10 and 11.  
Over rolling land, through dense brush.  
Cross wash 15 lks. wide course S. E.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S10 in W. S11 in E. and 1914 in S. half; from which  
An ironwood 5 ins. diam., bears S. 25 1/4° E. 125 lks. dist., marked 1/4 S11BT.  
An ironwood 4 ins. diam., bears S. 11 1/2° W. 36 lks. dist., marked 1/4 S10BT.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 2, 3, 10 and 11, marked on brass cap  
T4NR11W in N. and 1914 in S. half;  
S3 in N. W.  
S2 in N. E.  
S11 in S. E. and S10 in S. W. quadrant; from which  
A paloverde 8 ins. diam., bears N. 8 1/2° W. 90 lks. dist., marked T4NR11WS3BT.

No other bearings available. Baise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable. ✓  
Land, rolling.  
Soil, sandy, gravelly and rocky; 3rd. rate.  
No timber.  
Undergrowth, greasewood, paloverde and ironwood.

Note May 26: At this cor. I set off 21° 05 1/2' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 42 1/2' N.

40.00 N. 89° 58' E. on a random line bet. secs. 2 and 11.  
Set temp. 1/4 sec. cor.  
79.96 Intersect N. and S. line 5 lks. N. of the cor. of secs. 1, 2, 11 and 12.

Thence I run

West on a true line bet. secs. 2 and 11.  
Over rolling land, through dense brush.

Subdivision of Tp. 4 N. Rg. 11 W.

Chains.

2.50 Cross wash 12 lks. wide course S. E.  
 39.98 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S2 in N. and S11 1914 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 45.00 Cross wash 75 lks. wide course S. E.  
 79.96 The cor. of secs. 2, 3, 10 and 11  
 Land, rolling.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth, greasewood, ironwood and paloverde.

N. 0° 01' W. on a true line, bet. secs. 2 and 3  
 Over rolling land, through dense brush.

12.20 Cross wash 30 lks. wide course S. E.  
 30.00 Ascend small hill, leave brush.  
 39.50 Top of hill descend.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S3 in W. S2 in E. and 1914 in S. half; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 43.00 Bottom of hill.  
 45.00 Ascend steep S. slope.  
 67.00 Top of high ridge bears N. E. and S. W. descend.  
 74.87 Intersect First Standard Parallel North 11.54 chs. west of the standard cor. of secs. 35 and 36, Tp. 5 N. Rg. 11 W. which is a stone marked and witnessed as described by the surveyor general. At point of intersection I set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 2 and 3, marked on brass cap  
 CC S. of center;  
 T5NR11WS35S36 in N. and  
 1914 in S. half;  
 S2 in S. E. and  
 S3 in S. W. quadrant; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, S. of cor. Pits impracticable.  
 Land, rolling and mountainous.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth, greasewood, ironwood and paloverde.

May 26, 1914.

1914

May 25: At 7h. 00m. a.m., l.m.t., I set off 33° 38' N. on the lat. arc; 20° 53' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp., recently established by Jesse B. Wright, U. S. Surveyor, as described in book "A"  
 Thence I run  
 N. 0° 02' W. bet. secs. 33 and 34.  
 Over level land, through dense brush.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S33 in W. S34 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 27, 28, 33 and 34, marked on brass cap  
 T4NR11W in N. and  
 1914 in S. half;  
 S28 in N. W.  
 S27 in N. E.  
 S34 in S. E. and  
 S33 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in

## Subdivision of Tp. 4 N. Rg. 11 W.

Chains.

- each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
Land, level.  
Soil, sandy loam, dry, medium texture; 1st. rate.  
No timber.  
Undergrowth, greasewood and mesquite.
- 
- East on a random line bet. secs. 27 and 34.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.94 Intersect N. and S. line 7 lks. S. of the cor. of secs. 26, 27, 34 and 35.  
Thence I run  
S.  $89^{\circ} 57'$  W. on a true line bet. secs. 27 and 34.  
Over level land, through dense brush.  
39.97 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S27 in N. and S34 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.  
78.34 Cross road bears N. W. and S. E.  
79.94 The cor. of secs. 27, 28, 33 and 34.  
Land, level.  
Soil, sandy loam, dry, medium texture; 1st. rate.  
No timber.  
Undergrowth, greasewood and mesquite.
- 
- N.  $0^{\circ} 02'$  W. bet. secs. 27 and 28.  
Over level land, through dense brush.  
1.25 Cross road bears N. W. and S. E.  
40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S28 in W. S27 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.  
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 21, 22, 27 and 28, marked on brass cap  
T4NR11W in N. and  
1914 in S. half;  
S21 in N. W.  
S22 in N. E.  
S27 in S. E. and  
S28 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
Land, level.  
Soil, sandy loam, dry, medium texture; 1st. rate.  
No timber.  
Undergrowth, greasewood and mesquite.
- 
- N.  $89^{\circ} 57'$  E. on a random line bet. secs. 22 and 27.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.92 Intersect N. and S. line 2 lks. N. of the cor. of secs. 22, 23, 26 and 27.  
Thence I run  
S.  $89^{\circ} 58'$  W. on a true line bet. secs. 22 and 27.  
Over level land, through dense brush.  
37.00 Ascend N. E. slope of ridge. Leave brush.  
39.96 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S22 in N. and S27 1914 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
46.05 Top of ridge bears N. W. and S. E. descend.

## Subdivision of Tp. 4 N. Rg. 11 W.

Chains

- 59.00 Over level land, through dense brush.  
79.92 The cor. of secs. 21, 22, 27 and 28.  
Land, level and mountainous.  
Soil, sandy loam, dry, medium texture; 1st. rate; except from 37.00 to 59.00 chs. which is rocky; 4th. rate.  
No timber.  
Undergrowth, greasewood and mesquite.
- Note; May 25: At this cor. I set off  $20^{\circ} 54\frac{1}{2}'$  N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $33^{\circ} 40'$  N.
- May 25, 1914.
- 
- 1914
- May 27: At 7h. 00m. a.m., l.m.t., I set off  $33^{\circ} 40'$  N. on the lat. arc;  $21^{\circ} 14\frac{1}{2}'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28.
- Thence I run
- N.  $0^{\circ} 02'$  W. bet. secs. 21 and 22.  
Over level land, through dense brush.  
15.00 Ascend S. slope of ridge. Leave brush.  
21.50 Top of ridge bears E. and W. descend.  
34.00 Over rolling land.  
40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S21 in W. S22 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.  
45.05 Cross road bears N. E. and S. W.  
47.00 Ascend over small hill.  
49.00 Top of hill.  
51.00 Over level land, through dense brush.  
56.30 Cross wash 15 lks. wide course S. W.  
72.10 Cross road bears E. and W.  
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 15, 16, 21 and 22, marked on brass cap  
T4NR11W in N. and  
1914 in S. half;  
S16 in N. W.  
S15 in N. E.  
S22 in S. E. and  
S21 in S. W. quadrant; Raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
Land, level and mountainous.  
Soil, sandy loam, dry, medium texture; 1st. rate: except from 15.00 to 51.00 chs. which is rocky; 4th. rate.  
No timber.  
Undergrowth, greasewood, paloverde and ironwood.
- 
- N.  $89^{\circ} 58'$  E. on a random line bet. secs. 15 and 22.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.90 Intersect N. and S. line at the cor. of secs. 14, 15, 22 and 23.
- Thence I run
- S.  $89^{\circ} 58'$  W. on a true line bet. secs. 15 and 22.  
Over level land, through dense brush.  
38.20 Cross road bears N. E. and S. W.  
39.95 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S15 in N. and S22 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.  
50.90 Cross wash 20 lks. wide course S. W.  
79.90 The cor. of secs. 15, 16, 21 and 22.  
Land, nearly level.

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## Subdivision of Tp. 4 N. Rg. 11 W.

Chains.

Soil, sandy loam, mixed with rocks and gravel; 2nd. rate.  
No timber.  
Undergrowth, greasewood and ironwood and paloverde.

- N.  $0^{\circ} 02'$  W. bet. secs. 15 and 16.  
Over level land, through dense brush.
- 4.50 Cross wash 15 lks. wide course S. W.  
39.80 Cross wash 25 lks. wide course S. W.  
40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S16 in W. S15 in E. and 1914 in S. half; from which  
An ironwood 12 ins. diam., bears N.  $62\frac{1}{4}^{\circ}$  E. 77 lks. dist., marked  $\frac{1}{4}$ S15BT.  
A paloverde 6 ins. diam., bears S.  $49\frac{3}{4}^{\circ}$  W. 36 lks. dist., marked  $\frac{1}{4}$ S16BT.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 9, 10, 15 and 16, marked on brass cap  
T4NR11W in N. and 1914 in S. half;  
S9 in N. W.  
S10 in N. E.  
S15 in S. E. and S16 in S. W. quadrant; from which  
A paloverde 4 ins. diam., bears N.  $65\frac{1}{2}^{\circ}$  W. 208 lks. dist., marked T4NR11WS9BT.  
A paloverde 10 ins. diam., bears N.  $82\frac{3}{4}^{\circ}$  E. 86 lks. dist., marked T4NR11WS10BT.  
A paloverde 9 ins. diam., bears S.  $32\frac{3}{4}^{\circ}$  E. 248 lks. dist., marked T4NR11WS15BT.  
A paloverde 8 ins. diam., bears S.  $52^{\circ}$  W. 287 lks. dist., marked T4NR11WS16BT.
- Land, sandy, mixed with rocks and gravel; 2nd. rate.  
No timber.  
Undergrowth, greasewood, ironwood and paloverde.

- N.  $89^{\circ} 58'$  E. on a random line bet. secs. 10 and 15.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.94 Intersect N. and S. line 9 lks. N. of the cor. of secs. 10, 11, 14 and 15.  
Thence I run  
N.  $89^{\circ} 58'$  W. on a true line bet. secs. 10 and 15.  
Over rolling land, through dense brush.
- 17.50 Cross wash 12 lks. wide course S. E.  
39.97 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S10 in N. and S15 1914 in S. half; from which  
A paloverde 7 ins. diam., bears N.  $25^{\circ}$  W. 69 lks. dist., marked  $\frac{1}{4}$ S10BT.  
A paloverde 5 ins. diam., bears S.  $40^{\circ}$  W. 147 lks. dist., marked  $\frac{1}{4}$ S15BT.
- 55.00 Cross wash 40 lks. wide course S.  
65.30 Cross wash 125 lks. wide course S.  
77.50 Cross wash 30 lks. wide course S.  
79.94 The cor. of secs. 9, 10, 15 and 16.  
Land, rolling.  
Soil, gravelly and rocky; 3rd. rate.  
No timber.  
Undergrowth, greasewood, paloverde and ironwood.
- Note: May 27: At this cor. I set off  $21^{\circ} 15\frac{1}{2}'$  N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $33^{\circ} 41\frac{1}{2}'$  N.

## Subdivision of Tp. 4 N. Rg. 11 W.

Chains.

- N. 0° 02' W. bet. secs. 9 and 10.  
Over rolling land, through dense brush.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S9 in W. S10 in E. and 1914 in S. half; from which  
A paloverde 6 ins. diam., bears N. 80 $\frac{1}{4}$ ° E. 253 lks. dist., marked  $\frac{1}{4}$ S10BT.  
A paloverde 5 ins. diam., bears S. 80 $\frac{1}{2}$ ° W. 141 lks. dist., marked  $\frac{1}{4}$ S9BT.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 3, 4, 9 and 10, marked on brass cap  
T4NR11W in N. and 1914 in S. half;  
S4 in N. W.  
S3 in N. E.  
S10 in S. E. and S9 in S. W. quadrant; from which  
A paloverde 5 ins. diam., bears N. 43 $\frac{3}{4}$ ° W. 197 lks. dist., marked T4NR11WS4BT.  
An ironwood 4 ins. diam., bears N. 32 $\frac{3}{4}$ ° E. 192 lks. dist., marked T4NR11WS3BT.  
An ironwood 5 ins. diam., bears S. 75 $\frac{1}{2}$ ° E. 261 lks. dist., marked T4NR11WS10BT.  
A paloverde 6 ins. diam., bears S. 61° W. 86 lks. dist., marked T4NR11WS9BT.
- Land, rolling.  
Soil, gravelly and rocky; 3rd. rate.  
No timber.  
Undergrowth, greasewood, paloverde and ironwood.

- S. 89° 58' E. on a random line bet. secs. 3 and 10.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.94 Intersect N. and S. line 9 lks. N. of the cor. of secs. 2, 3, 10 and 11.  
Thence I run  
N. 89° 54' W. on a true line bet. secs. 3 and 10.  
Over rolling land, through dense brush.
- 26.30 cross wash 20 lks. wide course S. E.
- 39.97 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S3 in N. and S10 1914 in S. half; from which  
An ironwood 4 ins. diam., bears N. 6 $\frac{3}{4}$ ° W. 120 lks. dist., marked  $\frac{1}{4}$ S3BT.  
An ironwood 4 ins. diam., bears S. 29 $\frac{1}{2}$ ° W. 46 lks. dist., marked  $\frac{1}{4}$ S10BT.
- 59.35 Cross wash 35 lks. wide course S.
- 61.00 Cross wash 125 lks. wide course S.
- 79.94 The cor. of secs. 3, 4, 9 and 10.  
Land, rolling.  
Soil, sandy and rocky; 4th. rate.  
No timber.  
Undergrowth, greasewood, paloverde and ironwood.

- N. 0° 02' W. on a true line, bet. secs. 3 and 4  
Over rolling land, through dense brush.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S4 in W. S3 in E. and 1914 in S. half; from which  
A paloverde 5 ins. diam., bears S. 10 $\frac{1}{2}$ ° E. 68 lks. dist., marked  $\frac{1}{4}$ S3BT.  
A paloverde 8 ins. diam., bears S. 61 $\frac{3}{4}$ ° W. 213 lks. dist., marked  $\frac{1}{4}$ S4BT.
- 74.64 Intersect First Standard Parallel North, 11.74 chs. W. of the standard cor. of secs. 34 and 35, Tp. 5 N. Rg. 11 W. which is a stone marked and witnessed as described by the

BOOK 2811

## Subdivision of Tp. 4 N. Rg. 11 W.

Chains.

surveyor general. At point of intersection I  
set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the  
ground for closing cor. of secs. 3 and 4, marked on brass  
cap CC S. of center;

T5NR11WS34S35 in N. and

1914 in S. half;

S3 in S. E. and

S4 in S. W. quadrant; from which

An ironwood 7 ins. diam., bears S.  $61\frac{1}{2}^{\circ}$  E. 236  
lks. dist., marked CCT4NR11WS3BT.

A paloverde 8 ins. diam., bears S.  $3\frac{1}{2}^{\circ}$  W. 229  
lks. dist., marked CCT4NR11WS4BT.

Land, rolling.

Soil, sandy, rocky; 4th. rate.

No timber.

Undergrowth, greasewood, ironwood and paloverde.

May 27, 1914.

May 25: 1914

I commence at the cor. of secs. 4, 5, 32 and 33, on the  
S. bdy. of the Tp., recently established by Jesse B. Wright  
U. S. Surveyor, as described in book "A"

Thence I run N.  $0^{\circ} 2' W.$ , bet. secs. 32 & 33.

Over level land, through dense brush.

15.00 Cross road, bears NW and SE.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S32 in W.  
S33 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins.  
N. and S. of post 3 ft. dist., and raise a mound of earth  
 $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the  
ground for cor. of secs. 28, 29, 32 and 33, marked on  
brass cap

T4NR11W in N. and

1914 in S. half;

S29 in N. W.

S28 in N. E.

S33 in S. E. and

S32 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in  
each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft.  
base 2 ft. high, W. of cor.

Land, level.

Soil, sandy loam, dry, medium texture; 1st. rate.

No timber.

Undergrowth, greasewood and mesquite.

40.00 East on a random line bet. secs. 28 and 33.

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

79.98 Intersect N. and S. line 9 lks. S. of the cor. of secs.  
27, 28, 33 and 34.

Thence I run

S.  $89^{\circ} 56' W.$  on a true line bet. secs. 28 and 33.

Over level land, through dense brush.

39.99 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S28 in N.  
and S33 1914 in S. half; dig pits 18 x 18 x 12 ins. E.  
and W. of post 3 ft. dist., and raise a mound of earth  
 $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.

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

Land, level.

Soil, sandy loam, dry, medium texture; 1st. rate.

No timber.

Undergrowth, greasewood and mesquite.

## Subdivision of Tp. 4 N. Rg. 11 W.

chains.

- N.  $0^{\circ} 02'$  W. bet. secs. 28 and 29.  
Over level land, through dense brush.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S29 in W. S28 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.
- 50.05 Cross road bears N. W. and S. E.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29, marked on brass cap  
T4NR11W in N. and 1914 in S. half;  
S20 in N. W.  
S21 in N. E.  
S28 in S. E. and S29 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 3 ft. base 2 ft. high, W. of cor.  
Land, level.  
Soil, sandy loam, dry, medium texture; 1st. rate.  
No timber.  
Undergrowth, greasewood, mesquite.

- N.  $89^{\circ} 56'$  E. on a random line bet. secs. 21 and 28.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.96 Intersect N. and S. line at the cor. of secs. 21, 22, 27 and 28.
- Thence I run
- S.  $89^{\circ} 56'$  W. on a true line bet. secs. 21 and 28.  
Over level land, through dense brush.
- 39.98 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S21 in N. and S28 1914 in S. half; from which  
A paloverde 10 ins. diam., bears N.  $75\frac{1}{2}^{\circ}$  W. 256 lks. dist., marked  $\frac{1}{4}$ S21BT.  
No other bearings available. Dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.
- 48.60 Cross wash 20 lks. wide course S.
- 79.96 The cor. of secs. 20, 21, 28. and 29.  
Land, level.  
Soil, sandy loam, dry, medium texture; 1st. rate.  
No timber.  
Undergrowth, greasewood, mesquite and paloverde.

May 25, 1914.

- 1914  
May 28: At 7h. 00m. a.m., l.m.t., I set off  $33^{\circ} 40'$  N. on the lat. arc;  $21^{\circ} 24\frac{1}{2}'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.
- Thence I run
- N.  $0^{\circ} 02'$  W. bet. secs. 20 and 21.  
Over level land, through dense brush.
- 22.15 Cross road bears E. and W.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S20 in W. S21 in E. and 1914 in S. half; from which  
A paloverde 6 ins. diam., bears S.  $74\frac{3}{4}^{\circ}$  E. 135 lks. dist., marked  $\frac{1}{4}$ S21BT.  
No other bearing available. Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.
- 61.15 Cross road bears E. and W.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the

BOOK 2811

## Subdivision of Tp. 4 N. Rg. 11 W.

## Chains.

ground for cor. of secs. 16, 17, 20 and 21, marked on brass cap

T4NR11W in N. and

1914 in S. half;

S17 in N. W.

S16 in N. E.

S21 in S. E. and

S20 in S. W. quadrant; from which

A paloverde 10 ins. diam., bears S.  $46\frac{1}{2}^{\circ}$  E. 337 lks. dist., marked T4NR11WS21BT.

A paloverde 8 ins. diam., bears S.  $43^{\circ}$  W. 310 lks. dist., marked T4NR11WS20BT.

No other bearings available. Dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft base 2 ft. high, W. of cor.

Land, level.

Soil, sandy loam, dry, medium texture; 1st. rate.

No timber.

Undergrowth, greasewood and mesquite.

N.  $89^{\circ} 56'$  E. on a random line bet. secs. 16 and 21.

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

80.02 Intersect N. and S. line 2 lks. S. of the cor. of secs. 15, 16, 21 and 22.

Thence I run

S.  $89^{\circ} 55'$  W. on a true line bet. secs. 16 and 21.

Over level land, through dense brush.

8.00 Cross wash 10 lks. wide course S.

40.00 Cross wash 50 lks. wide course S. E.

40.01 Point for  $\frac{1}{4}$  sec. cor. falls in wash.

41.51 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for witness cor. to  $\frac{1}{4}$  sec. cor., marked on brass cap WC $\frac{1}{2}$  in E., and 1914 in S. half; S16 in N. W. and S21 in S. W. quadrant; from which

A paloverde 6 ins. diam., bears N.  $66\frac{1}{2}^{\circ}$  E. 141 lks. dist., marked WC $\frac{1}{2}$ S16BT.

A paloverde 8 ins. diam., bears S.  $25\frac{3}{4}^{\circ}$  W. 268 lks. dist., marked WC $\frac{1}{2}$ S21BT.

59.25 Cross wash 10 lks. wide course S.

80.02 The cor. of secs. 16, 17, 20 and 21.

Land, level.

Soil, sandy loam, mixed with rocks and grave l; 2nd. rate.

No timber.

Undergrowth, greasewood, ironwood and paloverde.

N.  $0^{\circ} 02'$  W. bet. secs. 16 and 17.

Over level land, through dense brush.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{2}$ S17 in W.

S16 in E. and 1914 in S. half; from which

An ironwood 4 ins. diam., bears N.  $78^{\circ}$  E. 124 lks. dist., marked  $\frac{1}{2}$ S16BT.

A paloverde 5 ins. diam., bears N.  $39\frac{1}{2}^{\circ}$  W. 156 lks. dist., marked  $\frac{1}{2}$ S17BT.

80.00 Set an iron pest 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked on brass cap

T4NR11W in N. and

1914 in S. half;

S8 in N. W.

S9 in N. E.

S16 in S. E. and

S17 in S. W. quadrant; from which

An ironwood 6 ins. diam., bears N.  $34\frac{1}{2}^{\circ}$  W. 288 lks. dist., marked T4NR11WS8BT.

An ironwood 5 ins. diam., bears N.  $80\frac{3}{4}^{\circ}$  E. 243 lks. dist., marked T4NR11WS9BT.

## Subdivision of Tp. 4 N. Rg. 11 W.

Chains.

An ironwood 5 ins. diam., bears S.  $79\frac{3}{4}^{\circ}$  E. 200 lks. dist., marked T4NR11WS16BT.

A paloverde 5 ins. diam., bears S.  $29\frac{1}{2}^{\circ}$  W. 24 lks. dist., marked T4NR11WS17BT.

Land, level.

Soil, sandy and rocky; 4th. rate.

No timber.

Undergrowth, greasewood, paloverde and ironwood.

N.  $89^{\circ} 55'$  E. on a random line bet. secs. 9 and 16.

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

80.06 Intersect N. and S. line 2 lks. N. of the cor. of secs. 9, 10, 15 and 16.

Thence I run

S.  $89^{\circ} 56'$  W. on a true line bet. secs. 9 and 16.

Over rolling land, through dense brush.

40.03 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S9 in N. and S16 1914 in S. half; from which

A paloverde 6 ins. diam., bears N.  $55^{\circ}$  E. 77 lks. dist., marked  $\frac{1}{4}$ S9BT.

An ironwood 4 ins. diam., bears S.  $65^{\circ}$  W. 32 lks. dist., marked  $\frac{1}{4}$ S16BT.

54.00 Cross wash 12 lks. wide course S.

69.00 Cross wash 15 lks. wide course S.

80.06 The cor. of secs. 8, 9, 16 and 17.

Land, rolling.

Soil, sandy and rocky; 4th. rate.

No timber.

Undergrowth, greasewood, paloverde and ironwood.

Note: May 28: At this cor. I set off  $21^{\circ} 25\frac{1}{2}'$  N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $33^{\circ} 41\frac{1}{2}'$  N.

N.  $0^{\circ} 02'$  W. bet. secs. 8 and 9.

Over rolling land, through dense brush.

25.15 Cross wash 15 lks. wide course S. W.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S8 in W. S9 in E. and 1914 in S. half; from which

An ironwood 8 ins. diam., bears S.  $73\frac{1}{2}^{\circ}$  E. 71 lks. dist., marked  $\frac{1}{4}$ S9BT.

A paloverde 4 ins. diam., bears N.  $30\frac{1}{2}^{\circ}$  W. 71 lks. dist., marked  $\frac{1}{4}$ S8BT.

74.10 Cross wash 25 lks. wide course S. W.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, marked on brass cap

T4NR11W in N. and 1914 in S. half;

S5 in N. W.

S4 in N. E.

S9 in S. E. and

S8 in S. W. quadrant; from which

A paloverde 6 ins. diam., bears N.  $26\frac{1}{4}^{\circ}$  W. 109 lks. dist., marked T4NR11WS5BT.

An ironwood 6 ins. diam., bears N.  $20\frac{1}{2}^{\circ}$  E. 116 lks. dist., marked T4NR11WS4BT.

A paloverde 6 ins. diam., bears S.  $74\frac{1}{2}^{\circ}$  E. 262 lks. dist., marked T4NR11WS9BT.

An ironwood 8 ins. diam., bears S.  $86^{\circ}$  W. 200 lks. dist., marked T4NR11WS8BT.

Land, rolling.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, greasewood, ironwood and paloverde.

Subdivision of Tp. 4 N. Rg. 11 W.

Chains. v

N. 89° 56' E. on a random line bet. secs. 4 and 9.  
 40.00 Set temp. 1/4 sec. cor.  
 80.12 Intersect N. and S. line 2 lks. S. of the cor. of secs. 3, 4, 9 and 10.

Thence I run

S. 89° 55' W. on a true line bet. secs. 4 and 9.  
 Over rolling land, through dense brush.  
 40.06 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S4 in N. and S9 1914 in S. half; and raise a mound of stone 2 ft. base 1 1/2 ft. high, N. of cor. Pits impracticable.  
 45.75 Cross wash 12 lks. wide course S. W.  
 74.15 Cross wash 10 lks. wide course S. W.  
 80.12 The cor. of secs. 4, 5, 8 and 9.  
 Land, rolling.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth, greasewood, paloverde and ironwood.

N. 0° 02' W. on a true line bet. secs. 4 and 5.

Over rolling land, through dense brush.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S5 in W. S4 in E. and 1914 in S. half; from which  
     An ironwood 8 ins. diam., bears N. 15 3/4° W. 99 lks. dist., marked 1/4 S5BT.  
     An ironwood 6 ins. diam., bears S. 84 1/2° E. 118 lks. dist., marked 1/4 S4BT.  
 41.50 Cross wash 20 lks. wide course S. W.  
 74.55 Cross wash 15 lks. wide course S. W.  
 74.85 Intersect First Standard Parallel North 12.08 chs. W. of the standard cor. of secs. 33 and 34, Tp. 5 N. Rg. 11 W. which is a stone marked and witnessed as described by the surveyor general. At point of intersection I set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 4 and 5, marked on brass cap  
     CC S. of center;  
     T5NR11WS33S34 in N. and 1914 in S. half;  
     S4 in S. E. and S5 in S. W. quadrant; from which  
     An ironwood 5 ins. diam., bears S. 67 1/4° E. 47 lks. dist., marked CCT4NR11WS4BT.  
     A paloverde 6 ins. diam., bears S. 37 3/4° W. 65 lks. dist., marked CCT4NR11WS5BT.  
 Land, rolling.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth, greasewood, paloverde and ironwood.

May 28, 1914.

1914

May 29: At 7h. 00m. a.m., l.m.t., I set off 33° 38' N. on the lat. arc; 21° 34' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., recently established by Jesse B. Wright, U. S. Surveyor, as described in book "A"  
 Thence I run  
 N. 0° 03' W. bet. secs. 31 and 32.  
 Over level land, through dense brush.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S31 in W. S32 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.

## Subdivision of Tp. 4 N. Rg. 11 W.

## Chains.

- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 29, 30, 31 and 32, marked on brass cap  
 T4NR11W in N. and  
 1914 in S. half;  
 S30 in N. W.  
 S29 in N. E.  
 S32 in S. E. and  
 S31 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
 Land, level.  
 Soil, sandy loam, dry, medium texture; 1st. rate.  
 No timber.  
 Undergrowth, greasewood and mesquite.
- 
- 40.00 East on a random line bet. secs. 29 and 32.  
 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.96 Intersect N. and S. line 7 lks. S. of the cor. of secs. 28, 29, 32 and 33.  
 Thence I run  
 S.  $89^{\circ} 57'$  W. on a true line bet. secs. 29 and 32.  
 Over level land, through dense brush.
- 39.98 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S29 in N. and S32 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.
- 63.00 Cross road bears N. W. and S. E.
- 79.96 The cor. of secs. 29, 30, 31 and 32.  
 Land, level.  
 Soil, sandy loam, dry, medium texture; 1st. rate.  
 No timber.  
 Undergrowth, greasewood and mesquite.
- 
- 40.00 West on a random line bet. secs. 30 and 31.  
 Set temp.  $\frac{1}{4}$  sec. cor.
- 78.30 Intersect W. bdy. of Tp. 7 lks. N. of the cor. of secs. 25, 30, 31 and 36, estab. by me as described in book "B"  
 Thence I run  
 N.  $89^{\circ} 57'$  E. on a true line bet. secs. 30 and 31.  
 Over level land, through dense brush.
- 33.50 Cross road bears N. W. and S. E.
- 38.30 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S30 in N. and S31 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.
- 78.30 The cor. of secs. 29, 30, 31 and 32.  
 Land, level.  
 Soil, sandy loam, dry, medium texture; 1st. rate.  
 Undergrowth, greasewood.
- 
- 13.55 N.  $0^{\circ} 03'$  W. bet. secs. 29 and 30.  
 Over level land, through dense brush.  
 Cross road bears N. W. and S. E.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S30 in W. S29 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 in. diam., 24 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked on brass cap,

## Subdivision of Tp. 4 N. Rg. 11 W.

## Chains.

T4NR11W in N. and  
 1914 in S. half;  
 S19 in N. W.  
 S20 in N. E.  
 S29 in S. E. and  
 S30 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in  
 each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft.  
 base 2 ft. high, W. of cor.  
 Land, level.  
 Soil, sandy loam, dry, medium texture; 1st. rate.  
 No timber.  
 Undergrowth, greasewood and mesquite.

- N.  $89^{\circ} 57'$  E. on a random line bet. secs. 20 and 29.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.94 Intersect N. and S. line 2 lks. S. of the cor. of secs.  
 20, 21, 28 and 29.  
 Thence I run  
 S.  $89^{\circ} 56'$  W. on a true line bet. secs. 20 and 29.  
 Over level land, through dense brush.  
 39:97 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S20 in N.  
 and S29 1914 in S. half; dig pits 18 x 18 x 12 ins. E.  
 and W. of post 3 ft. dist., and raise a mound of earth  
 $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.  
 48.20 Cross road bears N. W. and S. E.  
 79.94 The cor. of secs. 19, 20, 29 and 30.  
 Land, level.  
 Soil, sandy loam, dry, medium texture; 1st. rate.  
 No timber.  
 Undergrowth, greasewood and mesquite.  
 Note: May 29: At this cor. I set off  $21^{\circ} 35\frac{1}{2}'$  N. on the decl.  
 arc; and observe the sun on the meridian at noon; the  
 resulting lat. is  $33^{\circ} 40'$  N.

- ✓  
 S.  $89^{\circ} 57'$  W. on a random line bet. secs. 19 and 30.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.24 Intersect W. bdy. of Tp. 2 lks. S. of the cor. of secs.  
 19, 24, 25 and 30, established by me as described in book "B".  
 Thence I run  
 ✓  
 N.  $89^{\circ} 58'$  E. on a true line bet. secs. 19 and 30.  
 Over level land, through dense brush.  
 38.24 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S19 in N.  
 and S30 1914 in S. half; dig pits 18 x 18 x 12 ins. E.  
 and W. of post 3 ft. dist., and raise a mound of earth  
 $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.  
 48.25 Cross wash 25 lks. wide course S. W.  
 78.24 The cor. of secs. 19, 20, 29 and 30.  
 Land, level.  
 Soil, sandy loam, dry, medium texture; 1st. rate.  
 No timber.  
 Undergrowth, greasewood and mesquite.

- N.  $0^{\circ} 03'$  W. bet. secs. 19 and 20.  
 Over level land, through dense brush.  
 21.10 Cross road bears N. W. and S. E.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S19 in W.  
 S20 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins.  
 N. and S. of post 3 ft. dist., and raise a mound of earth  
 $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.  
 47.90 Cross road bears N. W. and S. E.

## Subdivision of Tp. 4 N. Rg. 11 W.

## Chains.

53.00 Cross road bears E. and W.  
 69.25 Cross wash 20 lks. wide course S. W.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 17, 18, 19 and 20, marked on brass cap  
     T4NR11W in N. and  
     1914 in S. half;  
     S18 in N. W.  
     S17 in N. E.  
     S20 in S. E. and  
     S19 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
 Land, level.  
 Soil, sandy loam, dry, medium texture; 1st. rate.  
 No timber.  
 Undergrowth, greasewood and mesquite.

40.00 N.  $89^{\circ} 56'$  E. on a random line bet. secs. 17 and 20.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.94 Intersect N. and S. line 2 lks. S. of the cor. of secs. 16, 17, 20 and 21.  
     Thence I run  
     S.  $89^{\circ} 55'$  W. on a true line bet. secs. 17 and 20.  
     Over level land, through dense brush.  
 39.97 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S17 in N. and S20 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.  
 63.00 Cross wash 15 lks. wide course S.  
 72.80 Cross wash 20 lks. wide course S. W.  
 79.94 The cor. of secs. 17, 18, 19 and 20.  
 Land, level.  
 Soil, sandy loam, dry, medium texture; 1st. rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and paloverde.

40.00 S.  $89^{\circ} 58'$  W. on a random line bet. secs. 18 and 19.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.16 Intersect W. bdy. of Tp. at the cor. of secs. 13, 18, 19 and 24, estab. by me as described in book "B"  
     Thence I run  
     N.  $89^{\circ} 58'$  E. on a true line bet. secs. 18 and 19.  
     Over level land, through dense brush.  
 38.16 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S18 in N. and S19 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.  
 78.16 The cor. of secs. 17, 18, 19 and 20.  
 Land, level.  
 Soil, sandy loam, dry, medium texture; 1st. rate.  
 No timber.  
 Undergrowth, greasewood and mesquite.

May 29, 1914.

1914.  
 May 30: At 7h. 00m. a.m., l.m.t., I set off  $33^{\circ} 41'$  N. on the lat. arc;  $21^{\circ} 43\frac{1}{2}'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.

Thence I run  
 N.  $0^{\circ} 03'$  W. bet. secs. 17 and 18.

## Subdivision of Tp. 4 N. Rg. 11 W.

- 40.00 Over level land, through dense brush.  
Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S18 in W. S17 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 7, 8, 17 and 18, marked on brass cap  
T4NR11W in N. and 1914 in S. half;  
S7 in N. W.  
S8 in N. E.  
S17 in S. E. and S18 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
Land, level.  
Soil, S. 10.00 chs. sandy loam, dry, medium texture; 1st. rate: N. 70.00 chs. sandy loam mixed with rocks and gravel 2nd. rate.  
No timber.  
Undergrowth, greasewood, ironwood and paloverde.
- 
- 40.00 N.  $89^{\circ} 55'$  E. on a random line bet. secs. 8 and 17.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 80.02 Intersect N. and S. line 2 lks. S. of the cor. of secs. 8, 9, 16 and 17.  
Thence I run  
S.  $89^{\circ} 54'$  W. on a true line bet. secs. 8 and 17.  
Over rolling land, through dense brush.
- 9.80 Cross wash 15 lks. wide course S. W.
- 38.40 Cross wash 75 lks. wide course S. W.
- 40.01 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S8 in N. and S17 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor.
- 80.02 The cor. of secs. 7, 8, 17 and 18.  
Land, rolling.  
Soil, sandy and rocky; 4th. rate.  
No timber.  
Undergrowth, greasewood, paloverde and ironwood.
- 
- 40.00 S.  $89^{\circ} 58'$  W. on a random line bet. secs. 7 and 18.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 78.10 Intersect W. bdy. of Tp. 2 lks. N. of the cor. of secs. 7, 12, 13 and 18, estab. by me as described in book "B"  
Thence I run  
N.  $89^{\circ} 57'$  E. on a true line bet. secs. 7 and 18.  
Over rolling land, through dense brush.
- 18.60 Cross road bears N. E. and S. W.
- 28.70 Cross wash 40 lks. wide course S.
- 38.10 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S7 in N. and S18 1914 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor.  $\times$  Pits impracticable.
- 39.70 Cross wash 10 lks. wide course S. W.
- 59.70 Cross wash 15 lks. wide course S. W.
- 78.10 The cor. of secs. 7, 8, 17 and 18. Land, rolling.  
Soil, sandy and rocky; 3rd. rate.  
No timber.  
Undergrowth, greasewood, paloverde and ironwood.

Subdivision of Tp. 4 N. Rg. 11 W.

Chains.

N.  $0^{\circ} 03'$  W. bet. secs. 7 and 8.  
 Over rolling land, through dense brush.  
 20.35 Cross wash 15 lks. wide course S. W.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S7 in W.  
 S8 in E. and 1914 in S. half; and raise a mound of stone  
 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 45.85 Cross road bears N. E. and S. W.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground for cor. of secs. 5, 6, 7 and 8, marked on brass  
 cap  
 T4NR11W in N. and  
 1914 in S. half;  
 S6 in N. W.  
 S5 in N. E.  
 S8 in S. E. and  
 S7 in S. W. quadrant; and raise a mound of stone 2 ft.  
 base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 Land, rolling.  
 Soil, sandy and rocky; 3rd. rate.  
 No timber.  
 Undergrowth, greasewood, paloverde and ironwood.  
 Note: May 30: At this cor. I set off  $21^{\circ} 44\frac{1}{2}'$  N. on the dec. l.  
 arc; and observe the sun on the meridian at noon; the  
 resulting lat. is  $33^{\circ} 42\frac{1}{2}'$  N.

N.  $89^{\circ} 54'$  E. on a random line bet. secs. 5 and 8.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.04 Intersect N. and S. line 2 lks. N. of the cor. of secs.  
 4, 5, 8 and 9.  
 Thence I run  
 S.  $89^{\circ} 55'$  W. on a true line bet. secs. 5 and 8.  
 Over rolling land, through dense brush.  
 25.25 Cross wash 40 lks. wide course S.  
 33.80 Cross road bears N. E. and S. W.  
 40.02 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S5 in N.  
 and S8 1914 in S. half; from which  
 An ironwood 4 ins. diam., bears N.  $4^{\circ}$  E. 152  
 lks. dist., marked  $\frac{1}{4}$ S5BT.  
 A paloverde 4 ins. diam., bears S.  $59\frac{1}{2}^{\circ}$  E. 250  
 lks. dist., marked  $\frac{1}{4}$ S8BT..  
 48.70 Cross wash 40 lks. wide course S.  
 80.04 The cor. of secs. 5, 6, 7 and 8.  
 Land, rolling.  
 Soil, sandy and rocky; 4th. rate.  
 No timber.  
 Undergrowth, greasewood, paloverde and ironwood.

S.  $89^{\circ} 57'$  W. on a random line bet. secs. 6 and 7.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.06 Intersect W. bdy. of Tp. 9 lks. N. of the cor. of secs.  
 1, 6, 7 and 12, estab. by me as described in book "B"  
 Thence I run  
 N.  $89^{\circ} 53'$  E. on a true line bet. secs. 6 and 7.  
 Over rolling land, through dense brush.  
 38.06 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S6 in N.  
 and S7 1914 in S. half; and raise a mound of stone 2 ft.  
 base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 78.06 The cor. of secs. 5, 6, 7 and 8.  
 Land, level.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth, greasewood, ironwood and paloverde.

## Subdivision of Tp. 4 N. Rg. 11 W.

BOOK 2811

Chains.

N.  $0^{\circ} 03'$  W. on a true line, bet. secs. 5 and 6.  
 Over rolling land, through dense brush.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S6 in W.  
 S5 in E. and 1914 in S. half; and raise a mound of stone  
 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 75.05 Intersect First Standard Parallel North 12.34 chs. W. of  
 the standard cor. of secs. 32 and 33, Tp. 5 N. Rg. 11 W.  
 which is a stone marked and witnessed as described by the  
 surveyor general. At point of intersection I  
 set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground for closing cor. of secs. 5 and 6. marked on brass  
 cap

CC S. of center;  
 T5NR11WS32S33 in N. and  
 1914 in S. half;  
 S5 in S. E. and  
 S6 in S. W. quadrant; from which  
 A paloverde 8 ins. diam., bears S.  $43^{\circ}$  E. 222  
 lks. dist., marked CCT4NR11WS5BT.  
 A paloverde 7 ins. diam., bears S.  $17\frac{3}{4}^{\circ}$  W. 261  
 lks. dist., marked CCT4NR11WS6BT.

Land, rolling.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, greasewood, paloverde and ironwood.

May 30, 1914.

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 GENERAL DESCRIPTION.

This township is level and rolling, except for a low ridge in the southern part and a spur of the Harqua Hala Mts. in the N. E. cor. The soil, is a sandy loam in the south and rocks and gravel in the north half of the Tp. There is no water or timber in the Tp. and no settlers.

*John A. Hesse*  
 U. S. Surveyor.

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FOR FINAL OATH OF UNITED STATES SURVEYOR.  
See Book "E"

I \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed 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 U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

\_\_\_\_\_  
U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

*Phoenix Ariz. Aug 27, 1915*

The foregoing field notes of the survey of *the*  
*Subdivision lines of*  
*Township 4 North - Range 11 West*  
*of the Gila and Salt River Base & Meridian*  
*in the State of Arizona.*

executed by *John F. Hesse - U.S. Surveyor*  
under his special instructions dated *Feb. 10, 1914 for Group 32*, ~~##~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank P. Magallon*  
U. S. Surveyor General.  
OF ARIZONA

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.

\_\_\_\_\_  
U. S. Surveyor General.