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BOOK 2854

4-679

SEP 4- 1914

Book "T"
-Subdivisions-
FIELD NOTES

OF THE SURVEY OF THE

REPUBLICAN OF THE UNITED STATES OF AMERICA.

Subdivision lines of
Township 7 North, Range 7 West

Of the Gila & Salt River Base and Meridian,

In the State of ARIZONA

EXECUTED BY

W. K. Kierulff, U. S. Transitman

AND

W. H. Thorn, U. S. Surveyor.

~~In the capacity of U. S. Surveyor~~, under instructions dated June 20, 1914,
issued by the United States Surveyor General to govern surveys included in
Group No. 34, which were approved by the Commissioner of the General Land
Office, June 27, 1914, pursuant to authority contained in the Act of
Congress dated _____, 191

Survey commenced July 13, 1914

Survey completed July 17, 1914

1A

○ See copy of letter herewith

BOOK 2854

Book "T"

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Subdivision of Township 7 North, Range 7 West.

1.B

Chains.

Survey of the Subdivision lines in this township commenced July 12, 1914, and executed by W. K.Kierulff, U.S. Transitman, using a Young and Sons' light mountain transit No.8492, and W.H.Thorn, U.S. Surveyor, using a Young and Sons' light mountain transit No.8592, both of which instruments are described in Book "A." of field notes of this group of surveys.

The initials "W.K.K." and "W.H.T." are inserted in the following notes at the beginning and ending of those portions of the notes describing the surveys executed by W.K.Kierulff, U.S. Transitman, and W.H.Thorn, U.S. Surveyor, respectively. W.H.T.

I examine the adjustments of the transit, and correct the level and collimation errors.

July 12; 1914: At 12h. 14.2m.a.m., l.m.t., in NW. 1/4 of sec. 3, T.7 N., R.7 W.; lat. 33° 59' N.; long. 112° 56' 14" W., I observe Polaris at eastern elongation, and mark the line thus determined by a wooden plug set 10.00 chs. N. of my station.

At 7h. a.m., l.m.t., I lay off the azimuth of Polaris, 1° 23 1/2' to the west, and mark the meridian thus determined by a tack in a wooden plug set 10.00 chs. N. of my station.

At 8h. a.m., l.m.t., I set off 33° 59' N. on the lat. arc; 22° 03 1/2' N. on the decl. arc; and determine a meridian with the solar; the line thus determined agrees with the meridian determined by Polaris observations.

At 3h. p.m., l.m.t., I set off 33° 59' N. on the lat. arc; 22° 01' N. on the decl. arc; and determine a meridian with the solar; the line thus determined agrees with the meridian established by Polaris observations.

Note: Before taking observations with the solar apparatus, I test all the adjustments of the solar.

July 13, 1914:

At 10h. a.m., l.m.t., I set off 33° 54' N. on the lat. arc; 21° 54' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on south bdy. of Tp., established by W.K.Kierulff, as described in Book "A."

Thence I run, N. 0° 01' W., bet. secs. 35 and 36.

Over low hills.

10.50 Ravine, 20 lks. wide, 3 ft. banks, course N. 60° W.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground (could not set deeper for solid rock) build mound of stone 3 ft. base, 1 ft. high around post for 1/4 sec. cor., with brass cap, marked,

1/4 S 35 in W., and
1/4 S 36 in E. half;
1914 in S. rim;

pits impracticable. Build a mound of stone 3 ft. base, 2 ft. high, W. of cor.

63.80 Enter level land.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 12 ins. in the ground (could not set deeper for solid rock); build a mound of earth and stone 3 ft. base, 1 1/2 ft. high, around post for cor. of secs. 25, 26, 35 and 36, with brass cap, marked,

1/4 7 N R 7 W in N. half;
S 26 in NW.,
S 25 in NE.,
S 36 in SE.; and
S 35 in SW. quadrants;
1914 in S. rim;

dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, rolling; over low hills.

Soil, rocky, 4th rate.

2. Subdivision of Township 7 North, Range 7 West.

Chains.

Timber, palo verde and catclaw.
Undergrowth, greasewood brush.

- East on a random line, bet. secs. 25 and 36.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.95 Intersect east bdy. of Tp., at the cor. of secs. 25, 30, 31 and 36, established by W.K. Kierulff, as described in Book "A."
- Thence I run,
West, on a true line, bet. secs. 25 and 36.
Over level land.
- 39.975 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 25 in N., and
 $\frac{1}{4}$ S 36 in S. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 79.95 Cor. of secs. 25, 26, 35 and 36.
Land, level.
Soil, sandy loam, 2nd rate. Caliche, 1 ft.
No timber.
Undergrowth, greasewood and mesquite brush.

- N. $0^{\circ}01'W.$, bet. secs. 25 and 26.
Over level land.
- 35.50 Old road brs. N. $40^{\circ}E.$ and S. $40^{\circ}W.$
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 26 in W., and
 $\frac{1}{4}$ S 25 in E. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 63.80 Old road brs. N. $80^{\circ}E.$ and S. $80^{\circ}W.$
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 23, 24, 25 and 26, with brass cap, marked,
 T 7 N R 7 W in N. half;
 S 23 in NW.,
 S 24 in NE.,
 S 25 in SE., and
 S 26 in SW. quadrants;
 1914 in S. rim;
 dig pits 18x18x12 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 adobe, 2nd rate, caliche subsoil.
No timber.
Undergrowth, greasewood and mesquite brush.
Club cactus.

- East, on a random line, bet. secs. 24 and 25.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.99 Intersect east bdy. of Tp., 2 lks. N. of the cor. of secs. 19, 24, 25 and 30, established by W.K. Kierulff, as described in Book "A."
- Thence I run,
N. $89^{\circ}59'W.$, on a true line, bet. secs. 24 and 25.
Over level land.
- 26.00 Old road brs. N. $40^{\circ}E.$ and S. $40^{\circ}W.$

Subdivision of Township 7 North Range 7 West. 3.

Chains.

39.995 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked, $\frac{1}{4}$ S. 24 in N., and S 25 in S. half; 1914 in S. rim; dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

79.99 Cor. of secs. 23, 24, 25 and 26. Land, level. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood and mesquite brush. Club cactus. At this cor., I set off $21^{\circ}53'N.$ on the decl. arc; and at 12h. 5m. 25secs. observe the sun on the meridian; the resulting lat. is $33^{\circ}55\frac{1}{2}'N.$

N. $0^{\circ}01'W.$, bet. secs. 23 and 24. Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked, $\frac{1}{4}$ S 23 in W., and S 24 in E. half; 1914 in S. rim; dig pits 18x18x12 ins., N. and S. of cor., 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. in diam., 24 ins. in the ground for cor. of secs. 13, 14, 23 and 24, with brass cap, marked, T 7 N R 7 W. in N. half; S 14 in NW. S 13 in NE.; S 24 in SE., and S 23 in SW. quadrants; 1914 in S. rim; dig pits 18x18x12 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 adobe, 2nd rate. No timber. Undergrowth, greasewood and mesquite brush. Club cactus.

East, on a random line, bet. secs. 13 and 24.

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

79.98 Intersect east bdy. of Tp., 2 lks. N. of the cor. of secs. 13, 18, 19 and 24, established by W. K. Kierulff, as described in Book "A." Thence I run, N. $89^{\circ}59'W.$, on a true line, bet. secs. 13 and 24. Over level land.

39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked, $\frac{1}{4}$ S 13 in N., and S 24 in S. half; 1914 in S. rim; dig pits 18x18x12 ins., E. and W. of cor. 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 Cor. of secs. 13, 14, 23 and 24. Land, level. Soil, adobe, 2nd rate. No timber. Undergrowth, greasewood and mesquite brush; club cactus.

Subdivision of Township 7 North Range 7 West.

Chains.

- N.0°01' W., bet. secs.13. and 14.
Over level land.
- 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
S 14 in W., and
S 13 in E.half;
1914 in S.rim;
dig pits 18x18x12 ins., N.and S.of cor. 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. in diam., 24 ins. in the ground for cor.of secs. 11,12,13 and 14, with brass cap, marked,
T 7 N R 7 W in N.half;
S 11 in NW,
S 12 in NE.,
S 13 in SE., and
S 14 in SW.quadrants;
1914 in S.rim;
dig pits 18x18x12 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, adobe, 2nd rate.
No timber.
Undergrowth, greasewood, and mesquite brush.
Club cactus.

- East, on a random line, bet. secs.12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.00 Intersect E.bdy.of Tp. at the cor.of secs.7,12,13 and 18, established by W.K.Kierulff, as described in Book "A." Thence I run,
West, on a true line, bet. secs.12 and 13.
Over level land.
- 1.00 Road bears N.40° W. and S.40°E.
- 40.00 Set an iron post 3 ft.long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
S 12 in N., and
S 13 in S.half;
1914 in S.rim;
dig pits 18x18x12 ins., E.and W.of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
- 80.00 Cor.of secs.11,12,13 and 14.
Land,level.
Soil, adobe, 2nd rate.
No timber.
Undergrowth, greasewood and mesquite brush.
Club cactus.

- N.0°01' W., bet. secs.11 and 12.
Over level land, through greasewood brush.
- 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
S 11 in W., and
S 12 in E.half;
1914 in S.rim;
dig pits 18x18x12 ins., N.and S.of cor., 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. in diam., 24 ins. in the ground for cor.of secs.1,2,11 and 12, with brass cap, marked,
T 7 N R 7 W in N.half;
S 2 in NW.,

Subdivision of Township 7 North, Range 7 West. 5.

Chains.

S 1 in NE.,
 S 12 in SE., and
 S 11 in SW. quadrants;
 1914 in S. rim;
 dig pits 18x18x12 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, adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood brush, mesquite brush. Club
 cactus.

40.00 East, on a random line, bet. secs. 1 and 12.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.97 Intersect east bdy. of Tp., at the cor. of secs. 1, 6, 7 and
 12, established by W.K. Kierulff, as described in Book
 "A."
 Thence I run,
 West, on a true line, bet. secs. 1 and 12.
 Over level land.
 39.985 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 1 in N., and
 S 12 in S. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist.,
 and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.
 77.40 Road brs. N. 45° W. and S. 45° E.
 79.97 Cor. of secs. 1, 2, 11 and 12.
 Land, level.
 Soil, adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood and mesquite brush.
 Club cactus.

40.00 N. 0° 01' W., on a random line, bet. secs. 1 and 2.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. bdy. of Tp. at the cor. of secs. 1, 2, 35 and 36,
 established by W.K. Kierulff, as described in Book "A."
 Thence I run,
 S. 0° 01' E., on a true line, bet. secs. 1 and 2.
 Over level land.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 2 in W., and
 S 1 in E. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist.,
 and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 77.50 Road brs. N. 45° W. and S. 45° E.
 80.00 Cor. of secs. 1, 2, 11 and 12.
 Land, level.
 Soil, adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood and mesquite brush. Club cactus.
 July 13, 1914.

6. Subdivision of Township 7 North Range 7 West.
Chains.

July 14, 1914:

At 9h.a.m., l.m.t., I set off $33^{\circ}54'N.$ on the lat. arc; $21^{\circ}46'N.$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35, on the south bdy. of the Tp., established by W.K. Kierulff, as described in Book "A."

Thence I run,
 $N.0^{\circ}01'W.$, bet. secs. 34 and 35.
Over low hills.

- 3.40 Old road, brs. $N.30^{\circ}E.$ and $S.30^{\circ}W.$
22.10 Dry wash, 10 lks. wide, 1 ft. banks, course $N.80^{\circ}W.$
40.00 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone $\frac{1}{4}$ ft. base, $2\frac{1}{2}$ ft. high for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 34 in W., and
S 35 in E. half;
1914 in S. rim;
pits impracticable. Build a mound of stone 3 ft. base, 2 ft. high, W. of cor.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35, with brass cap, marked,
T 7 N R 7 W in N. half;
S 27 in NW,
S 26 in NE,
S 35 in SE., and
S 34 in SW. quadrants;
1914 in S. rim;
dig pits $18 \times 18 \times 12$ 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, rolling.
Soil, rocky and gravelly, 3rd and 4th rate.
Timber, palo verde.
Undergrowth, greasewood and mesquite brush.

- East, on a random line, bet. secs. 26 and 35.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.06 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 25, 26, 35 and 36.
Thence I run,
 $S.89^{\circ}59'W.$, on a true line, bet. secs. 26 and 35.
Over level land.
35.00 Dry wash, 15 lks. wide, 2 ft. banks, course $N.80^{\circ}W.$
40.03 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 26 in N., and
S 35 in S. half;
1914 in S. rim;
dig pits $18 \times 18 \times 12$ ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
46.75 Old road brs. $N.30^{\circ}E.$ and $S.30^{\circ}W.$
80.06 Cor. of secs. 26, 27, 34 and 35.
Land, level.
Soil, sandy and gravelly, 3rd rate.
Timber, none.
Undergrowth, greasewood and mesquite brush.

- $N.0^{\circ}01'W.$, bet. secs. 26 and 27.
Over level land.
13.20 Dry wash, 15 lks. wide, 2 ft. banks, course $N.80^{\circ}W.$
36.40 Top of low hill brs. E. and W., 100 ft. high.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in

Subdivision of Township 7 North, Range 7 West. 7.

Chains.

the ground (could not set deeper for solid rock) build a mound of stone 3 ft. base, 1 ft. high around post for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 27 in W., and
 S 26 in E. half;
 1914 in S. rim;
 pits impracticable. Build a mound of stone 3 ft. base, 2 ft. high, W. of cor.
 51.50 Road brs. N. 80° E. and S. 80° W.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, with brass cap, marked,
 T 7 N R 7 W in N. half;
 S 22 in NW.,
 S 23 in NE.,
 S 26 in SE., and
 S 27 in SW. quadrants;
 1914 in S rim;
 dig pits 18x18x12 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 and gravelly, 3rd and 4th rate.
 Timber, palo verde.
 Undergrowth, greasewood and mesquite brush.

 East, on a random line, bet. secs. 23 and 26.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line, 11 lks. S. of the cor. of secs. 23, 24, 25 and 26.
 Thence 1 run,
 S. 89° 55' W., on a true line, bet. secs. 23 and 26.
 Over level land.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 23 in N., and
 S 26 in S. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 80.00 Cor. of secs. 22, 23, 26 and 27.
 Land, level.
 Soil, adobe, 2nd rate.
 No timber.
 Undergrowth; greasewood and mesquite brush.
 Club cactus.

 N. 0° 01' W., bet. secs. 22 and 23.
 Over level land.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 22 in W., and
 S 23 in E. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 79.55 Highway right-of-way brs. E. and W.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23, with brass cap, marked,
 T 7 N R 7 W in N. half;
 S 15 in NW.,
 S 14 in NE.,
 S 23 in SE., and

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Chains.

- S 22 in SW. quadrant;
1914 in S. rim;
dig pits 18x18x12 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 adobe, 2nd rate.
Undergrowth, greasewood and mesquite brush.
-
- East, on a random line, bet. secs. 14 and 23.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.00 Intersect N. and S. line, 12 lks. S. of cor. of secs. 13, 14,
23 and 24.
Thence I run,
S. $89^{\circ}55'W.$, on a true line, bet. secs. 14 and 23.
Over level land.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 14 in N., and
S 23 in S. half;
1914 in S. rim;
dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist.,
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.
of cor.
80.00 Cor. of secs. 14, 15, 22 and 23.
Land, level.
Soil, sandy loam, 2nd rate.
Timber, none.
Undergrowth, greasewood and mesquite brush.
Dense growth of club cactus.
At this cor., I set off $21^{\circ}44\frac{1}{2}'N.$ on the decl. arc; and at
12h.5m/ p.m., l.m.t., observe the sun on the meridian;
the resulting lat. is $33^{\circ}56\frac{1}{2}'N.$
-
- N. $0^{\circ}01'W.$, bet. secs. 14 and 15.
Over level land.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 15 in W., and
S 14 in E. half;
1914 in S. rim;
dig pits 18x18x12 ins., N. and S. of cor. 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. in diam., 24 ins. in
the ground for cor. of secs. 10, 11, 14 and 15, with
brass cap, marked,
T 7 N R 7 W in N. half;
S 10 in NW.,
S 11 in NE.,
S 14 in SE.; and
S 15 in SW. quadrants;
1914 in S. rim;
dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high, west of
cor.
Land, level.
Soil, adobe, 2nd rate.
Timber, none.
Undergrowth, greasewood and mesquite brush.
-
- East, on a random line, bet. secs. 11 and 14.
40.00 Set temp. $\frac{1}{4}$ sec. cor.

Subdivision of Township 7 North, Range 7 West, 9.

Chains.

79.96 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 11, 12, 13 and 14.

Thence I run, S. 89° 58' W., on a true line, bet. secs. 11 and 14. Over level land.

39.98 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked, 1/4 S 11 in N., and S 14 in S. half; 1914 in S. rim; dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

79.96 Cor. of secs. 10, 11, 14 and 15. Land, level. Soil, sandy and adobe, 2nd rate. Undergrowth, greasewood and mesquite brush. Club cactus.

N. 0° 01' W., bet. secs. 10 and 11. Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with brass cap, marked, 1/4 S 10 in W., and S 11 in E. half; 1914 in S. rim. dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 2, 3, 10 and 11, with brass cap, marked, T 7 N R 7 W in N. half; S 3 in NW., S 2 in NE., S 11 in SE., and S 10 in SW. quadrants; 1914 in S. rim; dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, adobe, 2nd rate. No timber. Undergrowth, greasewood and mesquite brush. Club cactus.

East, on a random line, bet. secs. 2 and 11.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 1, 2, 11 and 12.

Thence I run, S. 89° 59' W., on a true line, bet. secs. 2 and 11. Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with brass cap, marked, 1/4 S 2 in N., and S 11 in S. half; 1914 in S. rim; dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

80.00 Cor. of secs. 2, 3, 10 and 11. Land, level. No timber. Soil, adobe, 2nd rate. Undergrowth, greasewood and mesquite brush. Club cactus.

10. Subdivision of Township 7 North, Range 7 West.

Chains.

- N.0°01'W., on a random line, bet. secs.2 and 3.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.02 Intersect N.bdy.of Tp. at the cor.of secs. 2,3,34 and 35,
 established by W.K.Kierulff, as described in Book "A."
 Thence I run,
 S.0°01'E., on a true line, bet. secs.2 and 3.
 Over level land.
 6.20 Road brs.E.and W.
 40.02 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 3 in W., and
 S 2 in E.half;
 1914 in S.rim;
 dig pits 18x18x12 ins., N.and.S.of cor., 3 ft.dist.,and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high,W.of
 cor.
 80.02 Cor.of secs. 2,3,10 and 11.
 Land,level.
 Soil, adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood brush; club cactus.
 July 14, 1914.
 W. H.T.

W.K.K.

July 14, 1914. I examined and tested the instrument on
 a meridian determined by observations on Polaris taken
 by W.H.Thorn, U.S.Surveyor on July 12, 1914, as here-
 inbefore described.

At 1h.p.m., 1.m.t., I set off $33^{\circ}54'$ N.on the lat.arc;
 $21^{\circ}44'$ N. on the decl.arc; and determine a meridian
 with the solar at the cor.of secs.3,4,33 and 34, on the
 south bdy. of township, established by me, as described
 in Book "A."

Thence I run,
 N.0°02' W., bet. secs.33 and 34.
 Over low hills.
 On NW. slope.

- 7.00 Dry wash, 40 lks.wide, 2 ft.banks, course S.85°E.
 Ascend 215 ft.,over SE.slope to
 32.00 Top of hill, brs.NE. and SW.
 Descend steep N. slope, 280 ft.
 40.00 Set an iron post 3 ft.long, 1 in. in diam., in a mound of
 stone 3 ft.base, $2\frac{1}{2}$ ft.high, for $\frac{1}{4}$ sec.cor., with
 brass cap, marked,
 $\frac{1}{4}$ S 33 in W., and
 S 34 in E.half;
 1914 in S.rim;
 pits impracticable. Build a mound of stone 3 ft.
 base, 3 ft.high, W.of cor.
 45.00 On gradual descent, N.slope.
 55.00 Enter rolling land.
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 18 ins.in
 the ground (could not set deeper for solid rock)build
 a mound of stone 2 ft. base, 1 ft.high around post,
 for cor.of secs.27,28,33 and 34, with brass cap,marked,
 T 7 N R 7 W in N.half;
 S 28 in NW.,
 S 27 in NE.,
 S 34 in SE., and
 S 33 in SW.quadrants;
 1914 in S.rim;
 pits impracticable. Build a mound of stone 3 ft.base,
 3 ft.high, W.of cor.
 Land, hilly and rolling.
 Soil, rocky, 4th rate.
 Timber, palo verde.
 Undergrowth, greasewood brush.

Subdivision of Township 7 North, Range 7 West. 11.

Chains.

East, on a random line, bet. secs.27 and 34.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.00 Intersect N.and S.line, 12 lks.S.of the cor.of secs.26, 27, 34 and 35.
 Thence I run,
 S.89°55'W., on a true line, bet. secs.27 and 34.
 Over rolling land.
 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 27 in N., and
 $\frac{1}{4}$ S 34 in S.half;
 1914 in S.rim;
 dig pits 18x18x12 ins., E.and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, north of cor;
 47.30 Dry wash, 50 lks.wide, 3 ft.banks, course N.5° W.
 80.00 Cor.of secs.27, 28, 33 and 34.
 Land, rolling.
 Soil, adobe, 3rd rate.
 Timber, palo verde.
 Undergrowth, greasewood brush; native grass.

N.0°02' W., bet. secs.27 and 28.
 Over slightly rolling land.
 14.80 Dry wash, 110 lks.wide, 2 ft.banks, course west.
 23.20 Road, Wickenburg to Wenden, brs.E.and W.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 28 in W., and
 $\frac{1}{4}$ S 27 in E.half;
 1914 in S.rim;
 dig pits 18x18x12 ins., N.and S.of cor. 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. in diam., 24 ins. in the ground for cor.of secs. 21, 22, 27 and 28, with brass cap, marked,
 $\frac{1}{4}$ 7 N R 7 W in N.half;
 S 21 in NW.,
 S 22 in NE.,
 S 27 in SE., and
 S 28 in SW.quadrants;
 1914 in S.rim;
 dig pits 18x18x12 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, slightly rolling.
 Soil, adobe, 3rd rate.
 Timber, palo verde.
 Undergrowth, greasewood brush; native grass.
 July 14, 1914.

July 15, 1915, continued.
 East, on a random line, bet. secs.22 and 27.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.99 Intersect N.and S.line, 15 lks.S.of the cor.of secs.22, 23, 26 and 27,
 Thence I run,
 S.89°54'W., on a true line, bet. secs.22 and 27.
 Over level land.
 39.99 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 22 in N., and
 $\frac{1}{4}$ S 27 in S.half;
 1914 in S.rim;

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Chains.

- dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 79.99 Cor. of secs. 21, 22, 27 and 28.
Land, level.
Soil, adobe, 2nd rate.
No timber.
Undergrowth, greasewood brush; native grass.
-
- N. $0^{\circ}02'$ W., bet. secs. 21 and 22.
Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 21 in W., and
S 22 in E. half;
1914 in S. rim;
dig pits 18x18x12 ins., N. and S. of cor. 13 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 79.50 Clearing for road brs. E. and W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 15, 16, 21 and 22, with brass cap, marked,
T 7 N R 7 W in N. half;
S 16 in NW.,
S 15 in NE.,
S 22 in SE., and
S 21 in SW. quadrants;
1914 in S. rim;
dig pits 18x18x12 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, adobe, 2nd rate.
No timber.
Undergrowth, greasewood brush; native grass.
-
- East, on a random line, bet. secs. 15 and 22.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect N. and S. line, 18 lks. S. of the cor. of secs. 14, 15, 22 and 23.
Thence I run,
S. $89^{\circ}52'$ W., on a true line, bet. secs. 15 and 22.
Over level land, along north side of road.
- 39.97 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 15 in N., and
S 22 in S. half;
1914 in S. rim;
dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 79.94 Cor. of secs. 15, 16, 21 and 22.
Land, level.
Soil, adobe, 2nd rate.
No timber.
Undergrowth, greasewood brush; native grass.
July 15, 1914.
-
- July 16, 1914, continued.
- N. $0^{\circ}02'$ W., bet. secs. 15 and 16.
Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in

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Chains.

the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 16 in W., and
 S 15 in E.half;
 1914 in S.rim;
 dig.pits 18x18x12 ins., N.and S.of cor., 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. in diam., 24 ins. in
 the ground for cor.of secs. 9,10,15 and 16, with brass
 cap, marked,
 T 7 N R 7 W in N.half;
 S 9 in NW.,
 S 10 in NE.,
 S 15 in SE., and
 S 16 in SW.quadrants;
 1914 in S.rim;
 dig.pits 18x18x12 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,adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood brush; native grass.

East, on a random line, bet. secs.10 and 15.

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

79.91 Intersect N.and S. line, 5 lks.S.of the cor.of secs.10,11,
 14 and 15.
 Thence I run,
 S.89° 58'W., on a true line bet. secs.10 and 15.
 Over level land.

39.955 Set an iron post 3 ft.long, 1 in.in diam., 26 ins.in the
 ground for $\frac{1}{4}$ sec.cor.,with brass cap, marked,
 $\frac{1}{4}$ S 10 in N., and
 S 15 in S.half;
 1914 in S.rim;
 dig pits 18x18x12 ins., E.and W.of cor., 3 ft. dist.,and
 raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high,N.of cor.

79.91 Cor.of secs.9,10,15 and 16.
 Land,level.
 Soil, adobe, 2nd rate.
 No timber,
 Undergrowth, greasewood brush; native grass.
 At this cor., I set off 21°26' N.on the decl.arc;and at
 12h. 5 $\frac{1}{2}$ m. p.m.,l.m.t., I observe the sun on the mer-
 idian; the resulting lat.is 33° 57 $\frac{1}{2}$ 'N.

N.0°02'W., bet. secs.9 and 10;
 Over level land.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 9 in W., and
 S 10 in E.half;
 1914 in S.rim;
 dig pits 18x18x12 ins., N.and S.of cor., 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. in diam., 24 ins. in
 the ground for cor.of secs.3,4,9 and 10, with brass
 cap, marked,
 T 7 N R 7 W in N.half;
 S 4 in NW.,
 S 3 in NE.,
 S 10 in SE., and
 S 9 in SW.quadrants;
 1914 in S.rim;

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Chains.

dig pits 18x18x12 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, adobe, 2nd rate.
Undergrowth, greasewood brush; native grass.

40.00 East, on a random line, bet. secs. 3 and 10.
Set temp. $\frac{1}{4}$ sec. cor.
79.81 Intersect N. and S. line, 24 lks. S. of the cor. of secs. 2, 3, 10 and 11.
Thence I run,
S. $89^{\circ}50'$ W., on a true line, bet. secs. 3 and 10.
Over level land.
39.905 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 3 in N., and
S 10 in S. half;
1914 in S. rim;
dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.81 Cor. of secs. 3, 4, 9 and 10.
Land, level.
Soil, adobe, 2nd rate.
No timber.
Undergrowth, greasewood brush; club cactus; native grass.

N. $0^{\circ}02'$ W., on a random line bet. secs. 3 and 4.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.10 Intersect N. bdy. of Tp., 7 lks. E. of the cor. of secs. 3, 4, 33 and 34, established by me, as described in Book "A."
Thence I run,
S. $0^{\circ}05'$ E., on a true line, bet. secs. 3 and 4.
Over level land.
5.10 Telegraph line brs. N. $75^{\circ}22'$ E. and S. $75^{\circ}22'$ W.
5.70 Arizona and California R.R. bears N. $75^{\circ}22'$ E. and S. $75^{\circ}22'$ W.
15.25 Road brs. E. and W.
40.10 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 4 in W., and
S 3 in E. half;
1914 in S. rim;
dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.10 Cor. of secs. 3, 4, 9 and 10.
Land, level.
Soil, adobe, 2nd rate.
No timber.
Undergrowth, greasewood brush; club cactus.
Native grass.

July 16, 1914.

July 15, 1914.

At 8h. a.m., l.m.t., I set off $33^{\circ}54'$ N. on the lat. arc; $21^{\circ}37'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 4, 5, 32 and 33, on the south boundary of Tp., established by me, as described in Book "A."

Thence I run,
N. $0^{\circ}02'$ W., bet. secs. 32 and 33.
Over mountainous land.

Subdivision of Township 7 North Range 7 West.

Chains.

- On SW. slope.
 9.00 Top of ascent, thence along E. slope.
 16.00 Descend NE. slope.
 32.00 Foot of descent; draw course NW.
 35.00 Ascend SW. slope.
 39.75 Top of ascent; thence along west slope.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 32 in W., and
 $\frac{1}{4}$ S 33 in E. half;
 1914 in S. rim;
 pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, W. of cor.
 46.00 Descend gradual N. slope.
 50.00 Foot of descent; thence over rolling land.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33, with brass cap, marked,
 T 7 N R 7 W in N. half;
 S 29 in NW.,
 S 28 in NE.,
 S 33 in SE., and
 S 32 in SW. quadrants;
 1914 in S. rim;
 dig pits 18x18x12 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, mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde.
 Undergrowth, greasewood brush.

- East, on a random line, bet. secs. 28 and 33.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.01 Intersect N. and S. line, 10 lks. N. of the cor. of secs. 27, 28, 33 and 34.
 Thence I run,
 N. $89^{\circ}56'$ W., on a true line, bet. secs. 28 and 33.
 Over rolling land.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 28 in N., and
 $\frac{1}{4}$ S 33 in S. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 50.30 Dry wash, 50 lks. wide, 2 ft. banks, course N. 10° W.
 80.01 Cor. of secs. 28, 29, 32 and 33.
 Land, rolling.
 Soil, rocky and gravelly, 3rd rate.
 Timber, palo verde.
 Undergrowth, greasewood brush.

- N. $0^{\circ}02'$ W., bet. secs. 28 and 29.
 Over rolling land.
 10.00 Road brs. S. 80° W. and N. 80° E., Wickenburg to Wenden.
 39.95 Dry wash, 50 lks. wide, 2 ft. banks, course NW.
 40.00 Point for $\frac{1}{4}$ sec. cor. falls in above wash. Impracticable to establish cor. at this point; therefore at
 41.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap, marked,
 W C $\frac{1}{4}$ S 29 in W., and
 S 28 in E. half;

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Chains.

- 1914 in S.rim;
dig pits 18x18x12 ins. N. and S. of cor. 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. in diam., 24 ins. in
the ground for cor. of secs. 20, 21, 28 and 29, with
brass cap, marked,
T 7 N R 7 W in N. half;
S 20 in NW.,
S 21 in NE.,
S 28 in SE., and
S 29 in SW. quadrants;
1914 in S.rim;
dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high, west of
cor.
- Land, rolling.
Soil, adobe, 2nd and 3rd rate.
Timber, palo verde.
Undergrowth, greasewood brush; native grass.
-
- East, on a random line, bet. secs. 21 and 28.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.03 Intersect cor. of secs. 21, 22, 27 and 28.
Thence I run,
West, on a true line, bet. secs. 21 and 28.
Over level land.
- 40.015 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 21 in N., and
S 28 in S. half;
1914 in S.rim;
dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist.,
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
- 56.60 Dry wash, 40 lks. wide, 3 ft. banks, course NW.
- 80.03 Cor. of secs. 20, 21, 28 and 29.
Land, level.
Soil, adobe, 2nd rate.
Timber, none.
Undergrowth, greasewood brush; native grass.
At this cor., I set off $21^{\circ}35\frac{1}{2}'$ N. on the decl. arc; and
at 12h. $5\frac{1}{2}$ m. p.m., l.m.t., I observe the sun on the
meridian; the resulting lat. is $33^{\circ}55\frac{1}{2}'$ N.
July 15, 1914.
-
- July 16, 1914:
At 8h. a.m., l.m.t., I set off $33^{\circ}55\frac{1}{2}'$ N. on the lat. arc;
 $21^{\circ}27\frac{1}{2}'$ 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.
- 8.75 Dry wash, 50 lks. wide, 2 ft. banks, course N. 60° W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 20 in W., and
S 21 in E. half;
1914 in S.rim;
dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist.,
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
- 79.75 Clearing for road brs. E. and W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
the ground for cor. of secs. 16, 17, 20 and 21, with

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Chains.

brass cap, marked,
T 7 N R 7 W in N.half;
S 17 in NW.,
S 16 in NE.,
S 21 in SE., and
S 20 in SW. quadrants;
1914 in S.rim;

dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
Land, level.
Soil, adobe, 2nd rate.
No timber.
Undergrowth, greasewood brush; native grass.

East, on a random line, bet. secs. 16 and 21.

40.00 Set temp. 1/4 sec. cor.
80.06 Intersect cor. of secs. 15, 16, 21 and 22.

Thence I run,
West, on a true line, bet. secs. 16 and 21.
Over level land.

40.03 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for 1/4 sec. cor., with brass cap, marked,
1/4 S 16 in N., and
S 21 in S. half;
1914 in S. rim;

dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist.,
and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high,
N. of cor.

80.06 Cor. of secs. 16, 17, 20 and 21.

Land, level.
Soil, adobe, 2nd rate.
Timber, none.
Undergrowth, greasewood brush; native grass.
July 16, 1914.
(to be continued)

----- W. K. K. -----

W.H.T.
July 16, 1914, continued.
N. 0° 02' W., bet. secs. 16 and 17.
Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the
ground for 1/4 sec. cor., with brass cap, marked,
1/4 S 17 in W., and
S 16 in E. half;
1914 in S. rim;

dig pits 18x18x12 ins.; N. and S. of cor. 3 ft. dist., and
raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

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

T 7 N R 7 W in N. half;
S 8 in NW.,
S 9 in NE.,
S 16 in SW., and
S 17 in SW. quadrants;
1914 in S. rim;

dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level.
Soil, sandy adobe, 2nd rate.
No timber.
Undergrowth, greasewood and mesquite brush.

18 Subdivision of Township 7 North Range 7 West.

Chains.

- East, on a random line, bet. secs. 9 and 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.13 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 9, 10, 15 and 16.
 Thence I run,
 N. $89^{\circ}58'$ W., on a true line, bet. secs. 9 and 16.
 Over level land.
 40.065 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 9 in N., and
 $\frac{1}{4}$ S 16 in S. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist.,
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 80.13 Cor. of secs. 8, 9, 16 and 17.
 Land, level.
 Soil, sandy adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood and mesquite brush.
 July 16, 1914.
 W. H. T.

W. K. K.

July 17, 1914:

- At 8h. a.m., l.m.t., I set off $33^{\circ}57\frac{1}{2}'$ N. on the lat. arc;
 $21^{\circ}18'$ N. on the decl. arc; and determine a meridian
 with the solar at the cor. of secs. 8, 9, 16 and 17.
 Thence I run,
 N. $0^{\circ}02'$ W., bet. secs. 8 and 9.
 Over level land.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 8 in W., and
 $\frac{1}{4}$ S 9 in E. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., N. and S. of cor., 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. in diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, with brass cap, marked,
 T7 N R 7 W in N. half,
 S 5 in NW.,
 S 4 in NE.,
 S 9 in SE., and
 S 8 in SW. quadrants;
 1914 in S. rim;
 dig pits 18x18x12 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, adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood brush; native grass.

- East, on a random line, bet. secs. 4 and 9.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.14 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 3, 4, 9 and 10.
 Thence I run,
 S. $89^{\circ}59'$ W., on a true line, bet. secs. 4 and 9.
 Over level land.
 40.07 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 4 in N., and

Subdivision of Township 7 North Range 7 West 10

Chains.

S 9 in S.half;
 1914 in S.rim;
 dig pits 18x18x12 ins. E.and W.of cor. 3 ft. dist., and
 raise a mound of earth 3½ ft. base, 1½ ft. high, N.of
 cor.
 80.14 Cor.of secs.4,5,8 and 9.
 Land, level.
 Soil, adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood brush; native grass.

N. 0° 02' W. on a random line bet. secs. 4 and 5.
 40.00 Set temp. ¼ sec.cor.
 80.12 Intersect N.bdy.of Tp., 10 lks.E. of the cor.of secs.4,5,
 32 and 33, established by me, as described in Book "A."
 Thence I run,
 S.0° 06' E., on a true line, bet. secs. 4 and 5.
 Over level land.
 26.00 Telegraph line brs. N.75° 22' E. and S.75° 22' W.
 26.60 Arizona and California R.R., brs.N.75° 22' E. and S.75° 22' W
 31.50 Road, parallel to railroad.
 40.12 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 the ground for ¼ sec.cor., with brass cap, marked,
 ¼ S 5 in W., and
 S 4 in E.half;
 1914 in S.rim;
 dig pits 18x18x12 ins., N.and S.of cor., 3 ft. dist.,
 and raise a mound of earth 3½ ft. base, 1½ ft. high,
 west of cor.
 80.12 Cor.of secs.4,5,8 and 9.
 Land, level.
 Soil, adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood brush; native grass.
 July 17, 1914.

W.H.T.
 U.S. Transient

W. H.T.
 July 15, 1914:
 At 9h. a.m., l.m.t., I set off 33° 54' N. on the lat.arc;
 21° 36½' N. on the decl.arc, and determine a meridian
 with the solar at the cor.of secs.5,6,31 and 32 on S.
 bdy.of Tp., established by W.K. Kierulff, as described
 in Book "A."
 Thence I run,
 N.0° 03' W., bet. secs.31 and 32.
 Over low hills and rolling land.
 .35 Dry wash, 20 lks.wide, 2 ft. banks, course west.
 40.00 Set an iron post 3 ft.long, 1 in. in diam., 12 ins. in
 the ground (could not set deeper for solid rock) build
 a mound of stone 3 ft.base, 2 ft.high around pest for
 ¼ sec.cor., with brass cap, marked,
 ¼ S 31 in W., and
 S 32 in E.half;
 1914 in S.rim;
 pits impracticable. Build a mound of stone 3 ft.base,
 2 ft.high, W.of cor.
 48.00 Enter level land.
 63.70 Road, brs.N.50° E. and S.50° W.
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground for cor.of secs.29,30,31 and 32, with brass
 cap, marked,
 T 7 N R 7 W in N.half;
 S 30 in NW.,
 S 29 in NE.,

20 Subdivision of Township 7 North Range 7 West.

Chains.

S 32 in SE., and
 S 31 in SW. quadrants;
 1914 in S. rim;

dig pits 18x18x12 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, rolling and hilly.

Soil, gravelly and rocky, 2nd and 3rd rate.

Timber, palo verde.

Undergrowth, greasewood and mesquite brush.

Ocotillo and giant cactus.

East, on a random line, bet. secs. 29 and 32.

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

80.04 Intersect N. and S. line, 15 lks. S. of the cor. of secs. 28,
 29, 32 and 33.

Thence I run,

S. $89^{\circ}54'$ W., on a true line, bet. secs. 29 and 32.

Over rolling land.

30.20 Dry wash, 15 lks. wide, 1 ft. banks, course N. 70° W.

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

$\frac{1}{4}$ S 29 in N., and

$\frac{1}{4}$ S 32 in S. half;

1914 in S. rim;

dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist.,
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.

48.15 Road brs. N. 80° E. and S. 80° W.

80.04 Cor. of secs. 29, 30, 31 and 32.

Land, rolling to 65 chs.; thence level.

Soil, rolling, gravelly, 4th rate. On level, sandy, 2nd
 rate.

Timber, palo verde.

Undergrowth, greasewood and mesquite brush, ocotillo and
 giant cactus.

West, on a random line, bet. secs. 30 and 31.

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

89.82 Intersect W. bdy. of Tp., 8 lks. N. of the original cor.
 of secs. 25, 30, 31 and 36, which is an iron post 3 ins.
 in diam., with brass cap, marked, and witnessed as
 described by the Surveyor General.

Thence I run,

N. $89^{\circ}57'$ E., on a true line, bet. secs. 30 and 31.

Over level and rolling land.

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

$\frac{1}{4}$ S 30 in N., and

$\frac{1}{4}$ S 31 in S. half;

1914 in S. rim;

dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist.,
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.
 of cor.

89.82 Cor. of secs. 29, 30, 31 and 32.

Land, level and rolling.

Soil, sandy and gravelly, 2nd and 3rd rate.

Timber, palo verde.

Undergrowth, greasewood and mesquite brush, ocotillo
 and giant cactus.

At this cor., I set off $21^{\circ}35\frac{1}{2}'$ N. on the decl. arc; and
 at 12h. 5m. 39s. p.m., l.m.t., I observe the sun on
 the meridian; the resulting lat. is $33^{\circ}54\frac{1}{2}'$ N.

Subdivision of Township 7 North. Range 7 West. 21.

Chains.

N.0°03'W., bet. secs. 29 and 30.
 Over level land.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked, $\frac{1}{4}$ S 30 in W., and S 29 in E.half; 1914 in S.rim; dig pits 18x18x12 ins., N.and S.of cor., 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. in diam., 24 ins. in the ground for cor.of secs.19,20,29 and 30, with brass cap, marked, T 7 N R 7 W in N.half; S 19 in NW.; S 20 in NE.; S 29 in SE.; and S 30 in SW.quadrants; 1914 in S.rim; dig pits 18x18x12 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, 2nd rate.
 Timber, palo verde.
 Undergrowth, greasewood and mesquite brush.

East, on a random line, bet. secs. 20 and 29.

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

80.00 Intersect N.and S. line, 13 lks.S. of the cor.of secs.20, 21, 28 and 29.
 Thence I run, S.89° 54'W., on a true line, bet. secs. 20 and 29.
 Over level land.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked, $\frac{1}{4}$ S 20 in N., and S 29 in S.half; 1914 in S.rim; dig pits 18x18x12 ins., E.and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

80.00 Cor.of secs.19,20, 29 and 30.
 Land, level.
 Soil, adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood and mesquite brush.

West, on a random line, bet. secs.19 and 30.

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

89.82 Intersect west bdy.of Tp., 6 lks.S.of the original cor. of secs. 19,24, 25 and 30, which is an iron post 3 ins.in diam., with brass cap, marked and witnessed as described by the Surveyor General.
 Thence I run, S.89°57'E., on a true line, bet. secs.19 and 30.
 Over level land.

49.82 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked, $\frac{1}{4}$ S 19 in N., and S 30 in S.half; 1914 in S.rim; dig pits 18x18x12 ins., E.and W.of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.

22. Subdivision of Township 7 North, Range 7 West.

Chains.

89.82 Cor. of secs. 19, 20, 29 and 30.
Land, level and rolling. Small low hills on west half;
Soil, sandy adobe on level, 2nd rate.
Volcanic rock in mountains, 3rd rate.
Timber, palo verde.
Undergrowth, greasewood and mesquite brush.

N. $0^{\circ}03'$ W., bet. secs. 19 and 20.
Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
S 19 in W., and
S 20 in E. half;
1914 in S. rim;
dig pits 18x18x12 ins., N. and S. of cor., 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 Highway right-of-way brs. E. and W.
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
the ground for cor. of secs. 17, 18, 19 and 20, with
brass cap, marked,
T 7 N R 7 W in N. half;
S 18 in NW.,
S 17 in NE.,
S 29 in SE., and
S 19 in SW. quadrants;
1914 in S. rim;
dig pits 18x18x12 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, adobe, 2nd rate.
No timber.
Undergrowth, greasewood and mesquite brush.

East, on a random line, bet. secs. 17 and 20.
40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.99 Intersect N. and S. line, 15 lks. S. of the cor. of secs. 16,
17, 20 and 21.

Thence I run,
S. $89^{\circ}54'$ W., on a true line, bet. secs. 17 and 20.
Over level land.

39.995 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the
ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
S 17 in N., and
S 20 in S. half;
1914 in S. rim;

dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist.,
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.

79.99 Cor. of secs. 17, 18, 19 and 20.

Land, level.
Soil, adobe, 2nd rate.
No timber.
Undergrowth, greasewood and mesquite brush.

July 15, 1914.

July 16, 1914:

At 8h. a.m., l.m.t., I set off $33^{\circ}56\frac{1}{2}'$ N. on the lat. arc;
 $21^{\circ}27\frac{1}{2}'$ 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,

Subdivision of Township 7 North, Range 7 West. 23.

Chains.

- West, on a random line, bet. secs.18 and 19.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 89.80 Intersect west bdy.of Tp., 10 lks.S.of the original cor.of secs.13,18,19 and 24, which is an iron post 3 ins. in diam., with brass cap, marked and witnessed, as described by the Surveyor General
- Thence I run,
S.89° 56' E. on a true line, bet. secs.18 and 19.
Over level land.
- 49.80 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 18 in N., and
S 19 in S.half; 1914 in S. rim;
dig pits 18x18x12 ins., E.and W.of cor.3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
- 89.80 Cor.of secs. 17,18,19 and 20.
Land,level.
Soil, adobe, 2nd rate.
No timber.
Undergrowth, greasewood brush.

-
- N.0°03' W., bet. secs.17 and 18.
Over level land.
 - 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 18 in W., and
S 17 in E.half;
1914 in S. rim;
dig pits 18x18x12 ins., N.and S.of cor., 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. in diam., 24 ins. in the ground for cor.of secs.7,8,17 and 18, with brass cap, marked,
T 7 N R 7 W in N.half;
S 7 in NW.,
S 8 in NE.,
S 17 in SE., and
S 18 in SW.quadrants;
1914 in S.rim;
dig pits 18x18x12 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, adobe, 2nd rate.
Undergrowth, greasewood and mesquite brush.

-
- East, on a random line, bet. secs.8 and 17.
 - 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 - 79.95 Intersect N.and S. line, 13 lks. S.of the cor.of secs.8,9, 16 and 17.
 - Thence I run,
S.89°54'W., on a true line, bet. secs.8 and 17.
Over level land.
 - 39.975 Set an iron post 3 ft.long,1 in.in diam.,26 ins.in the the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 8 in N., and
S 17 in S.half;
1914 in S.rim;
dig pits 18x18x12 ins., E.and W.of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
 - 79.95 Cor.of secs.7,8,17 and 18.
Land,level.
Soil, adobe, 2nd rate.
No timber.

24. Subdivision of Township 7 North Range 7 West.

Chains.

Undergrowth, greasewood brush; mesquite brush.
At this cor. I set off $21^{\circ}26'N.$ on the decl. arc; and at
12h.5m.45s. p.m., l.m.t., I observe the sun on
the meridian; the resulting lat. is $33^{\circ}57\frac{1}{2}'N.$

-
- West on a random line bet. secs. 7 and 18.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
89.77 Intersect west bdy. of Tp., 25 lks. S. of the original cor.
of secs. 7, 12, 13 and 18, which is an iron post 3 ins.
in diam., with brass cap, marked and witnessed as de-
scribed by the Surveyor General.
Thence I run,
S. $89^{\circ}49'$ E., on a true line, bet. secs. 7 and 18.
Over level land.
49.77 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 7 in N., and
S 18 in S. half;
1914 in S. rim;
dig pits $18 \times 18 \times 12$ ins., E. and W. of cor., 3 ft. dist., and
raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of
cor.
89.77 Cor. of secs. 7, 8, 17 and 18.
Land, level.
Soil, sandy adobe, 2nd rate.
No timber.
Undergrowth, greasewood and mesquite brush.

-
- N. $0^{\circ}03'$ W., bet. secs. 7 and 8.
Over level land.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked.
 $\frac{1}{4}$ S 7 in W., and
S 8 in E. half;
1914 in S. rim;
dig pits $18 \times 18 \times 12$ ins., N. and S. of cor., 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. in diam., 24 ins. in
the ground for cor. of secs. 5, 6, 7 and 8, with brass
cap, marked,
T 7 N R 7 W in N. half;
S 6 in NW.,
S 5 in NE.,
S 8 in SE., and
S 7 in SW. quadrants;
1914 in S. rim;
dig pits $18 \times 18 \times 12$ 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 adobe, 2nd rate.
No timber.
Undergrowth, greasewood and mesquite brush.
July 16, 1914,
(to be continued).

July 17, 1914:
At 8h.a.m., l.m.t., I set off $33^{\circ}58'N.$ on the lat. arc; 21°
 $18'N.$ on the decl. arc; and determine a meridian with
the solar at the cor. of secs. 5, 6, 7 and 8.
Thence I run,
East, on a random line, bet. secs. 5 and 8.

Subdivision of Township 7 North, Range 7 West. 25.

Chains.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 4, 5, 8 and 9.
 Thence I run,
 S. $89^{\circ}57'W.$, on a true line, bet. secs. 5 and 8.
 Over level land.
 39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 5 in N., and
 S 8 in S. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., E. and W. of cor., 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 Cor. of secs. 5, 6, 7 and 8.
 Land, level.
 Soil, sandy adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood and mesquite brush.

West, on a random line, bet. secs. 6 and 7.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 89.70 Intersect W. bdy. of Tp., 25 lks. S. of the original cor. of secs. 1, 6, 7 and 12, which is an iron post 3 ins. in diam., with brass cap, marked and witnessed as described by the Surveyor General.
 Thence I run,
 S. $89^{\circ}49'E.$, on a true line, bet. secs. 6 and 7.
 Over level land.
 49.70 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 6 in N., and
 S 7 in S. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 89.70 Cor. of secs. 5, 6, 7 and 8.
 Land, level.
 Soil, sandy adobe, 2nd rate.
 Undergrowth, greasewood and mesquite brush.

N. $0^{\circ}03'W.$, on random line, bet. secs. 5 and 6.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Intersect N. bdy. of Tp., 10 lks. E. of the cor. of secs. 5, 6, 31 and 32, established by W. K. Kierulff, as described in Book "A."
 Thence I run,
 S. $0^{\circ}07'E.$, on a true line, bet. secs. 5 and 6.
 Over level land.
 40.20 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 6 in W., and
 S 5 in E. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 47.00 Telegraph line, brs. N. $75^{\circ}17'E.$ and S. $75^{\circ}17'W.$
 47.60 Arizona and California R.R. brs. N. $75^{\circ}17'E.$ and S. $75^{\circ}17'W.$
 51.40 Road brs. N. $75^{\circ}E.$ and S. $75^{\circ}W.$
 80.20 Cor. of secs. 5, 6, 7 and 8.
 Land, level.
 Soil, sandy adobe, 2nd rate.
 No timber.
 Undergrowth, greasewood and mesquite brush.

July 17, 1914.
W. H. T.

GENERAL DESCRIPTION.

This township is nearly all level, and covered with greasewood brush, palo verde and scattering ironwood and mesquite in places. Club cactus is very thick. In secs. 31 to 36 rolling hills, covered with palo verde and greasewood brush.

Soil, rocky, with very little grass. The remainder of the township is good adobe soil; scattering grass.
No settlers.

W. H. T. Horn
U. S. Surveyor.

FOR - FINAL OATH OF UNITED STATES SURVEYOR & TRANSITMAN

See Book "D"

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 _____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Ariz. DEC 30 _____, 1915

The foregoing field notes of the survey of *the* Subdivision lines of Township 7 North Range 7 West of the Gila and Salt River Base Meridian in the State of Arizona

executed by W. H. Thorn U. S. Surveyor & W. K. Tierney U. S. Transitman under ~~his~~ special instructions dated June 20, 1914 for Group 344, 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. Ingalls
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.~~