

2847

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BOOK 2847

75

Book "M"

~Subdivisions~

SEP 4 - 1914

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION OF TOWNSHIP 7 NORTH RANGE 14 WEST.

*Subdivision lines of
Township 7 North, Range 14 West*

Of the GILA AND SALT RIVER BASE AND Meridian,

In the State of ARIZONA

EXECUTED BY

W. H. THORN, U. S. Surveyor.

and

W. K. KIERULFF, U. S. Transitman.

~~By the authority of the Surveyor~~, under instructions dated February 17, 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, February 20, 1914, pursuant to authority contained in the Act of
Congress dated 191

Survey commenced June 5, 1914.

Survey completed June 12, 1914.

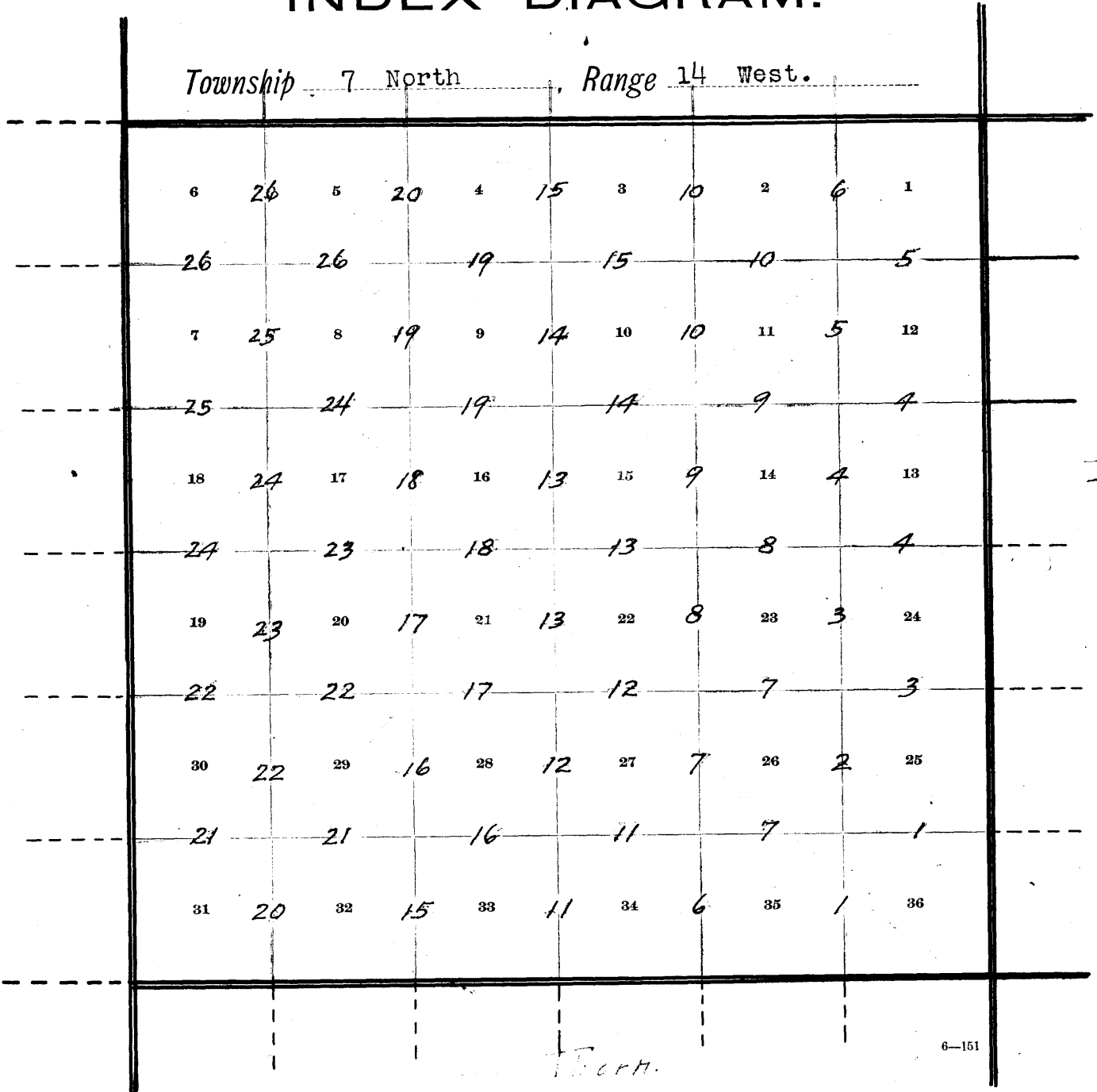
1A

BOOK 2847

Book "M"

INDEX DIAGRAM.

Township 7 North, Range 14 West.



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- Notes in book "A" *Handwritten*
- Notes in book "N"
- Notes in book "O"
- Accepted surveys,
- Unsurveyed lines.

Subdivision of Township 7 North, Range 14 West. 1.

Chains.

Survey of the subdivision lines in this township commenced June 5, 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 & 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; 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, which was established by W.K. Kierulff, U.S. Transitman, at lower culmination in accordance with the Manual of Instructions. The solar apparatus proved satisfactory.

June 6, 1914:

At 8h. a.m., l.m.t., I set off $22^{\circ} 37\frac{1}{2}'$ N. on the decl. arc; $33^{\circ} 54'$ N. on the lat. arc, and determine a meridian with the solar at the true point for the cor. of secs. 1, 2, 35 and 36, on south bdy. of Tp., established by W. K. Kierulff, as described in Book "A," from which, witness cor. brs. west 100 lks. dist.

From true point for cor. in dry wash, 380 lks. wide, 18 ft. banks, course N. 40° W., I run, N. $0^{\circ} 01'$ W., bet. secs. 35 and 36.

Over rolling land.

- 5.03 Build mound of stone on line.
- 18.20 Ravine, 120 lks. wide, 10 ft. deep, course N. 60° W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap, marked,

$\frac{1}{4}$ S 35 in W., and
S 36 in E. half;
1914 in S. rim;

pits impracticable. Could not build mound, as there was not sufficient stone.

- 51.05 Ravine, 1 chain wide, 10 ft. deep, course N. 70° W.
- 73.60 Ascend steep rocky south slope.

- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., in a mound of stone 3 ft. base, 2 ft. high, for cor. of secs. 25, 26, 35 and 36, with brass cap, marked,

T 7 N R 14 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;

pits impracticable. Build a mound of stone 4 ft. base, 2 ft. high, W. of cor.

Land, mountainous and rolling.
Soil, rocky, 4th rate.
Scrub palo verde.
Undergrowth, greasewood brush.

- 40.00 East, on a random line, bet. secs. 25 and 36.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect east bdy. of Tp., 6 lks. N. of the true point for cor. of secs. 25, 30, 31 and 36, established by me, as described in Book "A." from which witness cor. brs. S.

2. Subdivision of Township 7 North, Range 14 West.

Chains.

- 100 lks.distance.
Thence I run from true point for cor.,
N.89° 57'W., on a true line, bet. secs.25 and 36.
Over mountainous land.
- 2.80 Ravine, 20 lks.wide, 4 ft.deep, course N.70° W.
Ascend steep N.slope.
- 19.10 Change to steep broken rocky NE. slope.
- 28.05 Top of spur, 800 ft.high, brs.W.and S.
- 40.05 Set an iron post 3 ft.long, 1 in. in diam., in a mound of
stone 3 ft.base, 2½ ft.high, for ¼ sec.cor., with
brass cap, marked,
¼ S 25 in N., and
S 36 in S.half;
1914 in S.rim;
pits impracticable. Build a mound of stone 3 ft.base,
2 ft.high, N.of cor.
- 41.60 Foot of descent.
Ascend over steep NE. slope.
- 55.55 Top of ridge, brs.NW. and SE.
Descend.
- 67.15 Mountain trail, brs..N.and S.
Descend over steep rocky south slope.
- 80.10 Cor.of secs.25,26, 35 and 36.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, scrub palo verde, scattering.
Undergrowth, greasewood brush, ocotillo and giant cactus.
At this cor., I set off 22°38'N. on the decl.arc; and at
11h. 58.3m. a.m., l.m.t., I observe the sun on the mer-
idian; the resulting is 33° 55'N.
-
- N.0°01'W., bet. secs.25 and 26.
Over mountainous land.
- 5.94 Top of ridge, 275 ft.high, brs.SW. and E.
- 11.44 Claim cor. brs.75 lks.W., which is a granite stone 24x18x
12 ins., marked
F S on top,
1 T 1, 3064 on N.face;
4 T 2- 2983 on E.face;
mound of stone 3 ft.base, 3 ft.high, 4 ft.SE.of cor.
- 28.25 Ravine, 40 lks.wide, 10 ft. deep, course N.50°W.
- 37.80 Ravine, 30 lks.wide, 6 ft. deep, course N.70°W.
- 40.00 Set an iron post 3 ft.long, 1 in. in diam., 1 ft. in the
ground (could not set deeper for solid rock); build
a mound of stone 2 ft.base, 1½ ft. high around post
for ¼ sec.cor., with brass cap, marked,
¼ S 26 in W., and
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 3½ ft. base, 1½ ft. high, W.of
cor.
- 46.50 Ravine, 80 lks.wide, 10 ft. deep, course N.50°W.
- 64.00 Ravine, 150 lks.wide, 25 ft.deep, course N.60°W.
- 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 1 ft.in the
ground (could not set deeper for solid stone); build
mound of stone 3 ft.base, 1½ ft. high around post for
cor.of secs.23,24,25 and 26, with brass cap, marked,
T 7 N R 14 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;
pits impracticable. Build a mound of stone 3 ft. base,
2½ ft.high, W.of cor.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, scattering palo verde.

Subdivision of Township 7 North, Range 14 West. 3.

Chains.

Undergrowth, scattering greasewood brush.

40.00 East, on a random line, bet. secs.24 and 25.
Set temp. $\frac{1}{4}$ sec.cor.
80.05 Intersect east bdy.of Tp., 6 lks.N.of the true point for cor.of secs.19,24, 25 and 30, established by me, as described in Book "A." from which witness cor. brs.S. 100 lks.dist.

Thence I run,from true point for cor.,
N.89° 57'W. on a true line, bet. secs.24 and 25.
Over mountainous land.

14.00 Ascend over steep broken N.slope.
Top of ridge, 550 ft.high,brs.NW. and SE.
Descend over SW.slope.

40.025 Set an iron post 3 ft.long, 1 in.in diam.,in a mound of stone 4 ft.base, 2 $\frac{1}{2}$ ft.high 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;

pits impracticable. Build a mound of stone 4 ft.base, 2 $\frac{1}{2}$ ft.high, N.of cor.

60.00 Foot of descent.

75.20 Ravine, 40 lks.wide, 15 ft.deep, course N.60°W.

80.05 Cor.of secs.23,24,25 and 26.

Land, mountainous.
Soil, rocky, 4th rate.

Timber, scattering palo verde and ironwood.

Undergrowth, greasewood brush, ocotillo and giant cactus.
June 6, 1914.

June 8, 1914:

At 8h. 20m. a.m.,l.m.t., I set off 22° 49 $\frac{1}{2}$ 'N.on the decl. arc; and 33° 55 $\frac{1}{2}$ 'N. on the lat.arc, and determine a meridian with the solar at the cor.of secs. 23,24,25 and 26.

Thence I run,
N.0°01'W., bet. secs. 23 and 24.

Descend over gradual NW. slope.

5.20 Ravine, 100 lks.wide, 18 ft. deep, course N.40°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 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.

44.30 Ravine, 40 lks.wide, 5 ft.banks, course N.30°E.

64.70 Dry wash, 20 lks.wide, 1 ft. banks, course N.30°W.

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 14 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,rolling gradual NW. slope.

Soil, gravelly, 4th rate.

Undergrowth, greasewood brush.

Timber, palo verde, and ironwood,ocotillo, cholla and giant cactus.

4. ~~Subdivision of Township 7 North, Range 14 West~~
Chains.

- East, on a random line, bet. secs. 13 and 24.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.05 Intersect E. bdy. of Tp., 6 lks. N. of the cor. of secs. 13, 18, 19 and 24, established by me, as described in Book "A."
- Thence I run,
N. $89^{\circ}57'W.$, on a true line, bet. secs. 13 and 24.
Over gradual NW. slope.
- 22.55 Dry wash, 30 lks. wide, 2 ft. banks, course N. $40^{\circ}W.$
- 36.00 Ravine, 30 lks. wide, 5 ft. deep, course N. $40^{\circ}W.$
- 40.025 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.
- 41.30 Ravine, 30 lks. wide, 4 ft. deep, course N. $40^{\circ}W.$
- 80.05 Cor. of secs. 13, 14, 23 and 24.
Land, rolling gradual NW. slope.
Soil, gravelly and rocky, 4th rate.
Timber, palo verde and ironwood.
Undergrowth, greasewood brush, ocotillo and giant cactus.

- N. $0^{\circ}01'W.$, bet. secs. 13 and 14.
Over level land.
- 17.20 Dry wash, 20 lks. wide, 2 ft. banks, course N. $60^{\circ}W.$
- 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 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, west of cor.
- 46.80 Dry wash 15 lks. wide, 2 ft. banks, course N. $70^{\circ}W.$
- 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 14 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, gravelly, 3rd rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood brush, 4 ft. high.
Ocotillo and giant cactus.

- East, on a random line, bet. secs. 12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect east bdy. of Tp., 6 lks. N. of the cor. of secs. 7, 12, 13 and 18, established by me, as described in Book "A."
- Thence I run,
N. $89^{\circ}57'W.$ on a true line, bet. secs. 12 and 13.
Over level land.
- 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 12 in N., and

Subdivision of Township 7 North Range 14 West. 5.

Chains.

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 1/2 ft. base, 1 1/2 ft. high,
N.of cor.

At this cor., I set off 22°50'N. on the decl. arc; and at
11h. 58.7m. a.m., l.m.t., I observe the sun on the
meridian; the resulting lat. is 33° 57 1/2'N.
80.06 Cor. of secs. 11, 12, 13 and 14.
Land, level, gradual NW. slope.
Soil, gravelly, 3rd rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood brush.
Ocotillo and giant cactus.

N.0° 01' W., bet. secs. 11 and 12.
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 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 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. 1, 2, 11 and 12, with brass
cap, marked,
T 7 N R 14 W in N.half;
S 2 in NW.,
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 1/2 ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high, W. of
cor.
Land, level.
Soil, sandy, 3rd rate.
No timber.
Undergrowth, greasewood brush, ocotillo and cholla cactus.

East, on a random line, bet. secs. 1 and 12.

40.00 Set temp. 1/4 sec. cor.
80.06 Intersect east bdy. of Tp., 6 lks. N. of the cor. of secs. 1,
6, 7 and 12, established by me, as described in Book "A."
Thence I run,
N. 89° 57' W. on a true line, bet. secs. 1 and 12.

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 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 1/2 ft. base, 1 1/2 ft. high,
N. of cor.

55.00 Dry wash, 15 lks. wide, 1 ft. banks, course N. 40° W.
80.06 Cor. of secs. 1, 2, 11 and 12.
Land, level.
Soil, sandy, 3rd rate. No timber.
Undergrowth, greasewood brush, ocotillo and cholla.

6. Subdivision of Township 7 North Range 14 West.
Chains.

- N.0°01'W. on a random line, bet. secs.1 and 2.
40.00 Set temp. $\frac{1}{4}$ sec.cor.
79.97 Intersect N.bdy.of Tp., 6 lks.W.of the cor.of secs.1,2,
35 and 36, established by me, as described in Book "A."
Thence I run,
S.0°02'W. on a true line, bet. secs.1 and 2.
Over level land.
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 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.
79.97 Cor.of secs.1,2, 11 and 12.
Land,level.
Soil, sandy, 3rd rate.
No timber.
Undergrowth,greasewood brush.
Ocotillo and cholla cactus.

June 8, 1914.

June 9, 1914:

- At 8h. 20m., a.m., l.m.t., I set off 33° 54' N.on the lat.
arc; 22°55' N.on the decl.arc, and determine a meridian
with the solar at the cor.of secs.2,3,34 and 35 on south
bdy.of Tp. established by W.K.Kierulff, as described in
Book "A."
Thence I run,
N.0°01'W., bet. secs.34 and 35.
Over rolling land.
20.20 Ravine, 2 chs.wide, 30 ft. deep, course N.80°W.
35.60 Ravine, 40 lks.wide, 5 ft.deep, course W.
39.40 Road 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 34 in W.,and
S 35 in E.half;
1914 in S.rim;
dig pits 18x18x12 ins., N.and S.of cor., 3ft.dist.,and
raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high, W.of
cor.
45.00 Ravine, 20 lks.wide, 4 ft.deep, course N.70° W.
51.00 Ravine, 20 lks.wide, 4 ft.deep, course N.80°W.
58.10 Ravine, 50 lks.wide, 10 ft. deep, course N.60° W.
71.50 Ravine, 35 lks.wide, 4 ft.deep, course west,
74.50 Road brs.NW. and SE.
77.40 Dry wash, 20 lks.wide, 2 ft.banks, course N.70° W.
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 14 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;
pits impracticable. Build a mound of stone 4 ft.
base, $2\frac{1}{2}$ ft,high,W.of cor.
Land,rolling.
Soil, rocky, 4th rate.
Timber, scrub palo verde.
Undergrowth, greasewood brush, ocotillo and giant cactus.

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Chains.

- East, on a random line line, bet. secs. 26 and 35.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.82 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 25, 26, 35 and 36.
 Thence I run,
 S. $89^{\circ}58'W.$, on a true line, bet. secs. 26 and 35
 Over rolling land.
 39.91 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground (could not set deeper for solid rock); build a mound of stone 3 ft. base, 2 ft. high around post 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; pits impracticable. Build a mound of stone 3 ft. base, 2 ft. high, N. of cor.
 Descend rocky south slope.
 45.90 Change to SW. slope.
 58.80 Foot of descent.
 60.00 Dry wash, 40 lks. wide, 1 ft. banks, course N. $60^{\circ}W.$
 62.80 Dry wash, 100 lks. wide, 2 ft. banks, course N. $60^{\circ}W.$
 64.80 Dry wash, 150 lks. wide, 1 ft. banks, course N. $60^{\circ}W.$
 79.82 Cor. of secs. 26, 27, 34 and 35.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Undergrowth, greasewood.
 Timber, scrub palo verde.
 Ocotillo and giant cactus.

- N. $0^{\circ}01'W.$, bet. secs. 26 and 27.
 Over rolling land.
 5.00 Dry wash, 30 lks. wide, 4 ft. banks, course N. $70^{\circ}W.$
 11.00 Dry wash, 250 lks. wide, 2 ft. banks, course N. $60^{\circ}W.$
 15.00 At this point I set off $22^{\circ}55'$ N. on the decl. arc; and at 11h. 59m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is $33^{\circ}55'N.$
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground for $\frac{1}{4}$ sec. cor. (could not set post deeper for solid stone) build mound of stone 2 ft. base, 1 ft. high around post, 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, $2\frac{1}{2}$ 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. 22, 23, 26 and 27, with brass cap, marked,
 T 7 N R 14W 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;
 pits impracticable. Build a mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling.
 Soil, gravelly and rocky, 4th rate.
 Timber, palo verde, ironwood and catsclaw.
 Undergrowth, greasewood brush.
 Ocotillo and giant cactus.

- East, on a random line, bet. secs. 23 and 26.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.82 Intersect cor. of secs. 23, 24, 25 and 26.
 Thence I run,

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Chains.

- West, on a true line, bet. secs. 23 and 26.
Over rolling land.
- 6.00 Ravine, 30 lks. wide, 4 ft. deep, course N. 30° W.
- 26.10 Dry wash, 100 lks. wide, 3 ft. banks, course N. 60° W.
- 39.91 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 2 ft. base, 1 ft. high around post 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;
 pits impracticable. Build a mound of stone 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
- 43.55 Ravine, 25 lks. wide, 4 ft. deep, course N. 70° W.
- 62.20 Ravine, 40 lks. wide, 4 ft. deep, course N. 60° W.
- 72.90 Ravine, 1 chain wide, 25 ft. deep, course N. 30° W.
- 79.82 Cor. of secs. 22, 23, 26 and 27.
 Land, rolling.
 Soil, gravel and rocky, 4th rate.
 Timber, palo verde and ironwood; giant cactus.
 Undergrowth, greasewood brush.

- N. 0° 01' W., bet. secs. 22 and 23.
 Over level land.
- 18.90 Ravine, 150 lks. wide, 10 ft. deep, course N. 40° 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 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.
- 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 14 W in N. half;
 S 15 in NW.,
 S 14 in NE.,
 S 23 in SE., and
 S 22 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; gradual NW. slope.
 Soil, gravelly, 3rd rate.
 Timber, scattering palo verde and ironwood.
 Undergrowth, greasewood brush, 3 to 5 ft. high.
 Ocotillo and giant cactus.

- East, on a random line, bet. secs. 14 and 23.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.81 Intersect cor. of secs. 13, 14, 23 and 24.
 Thence I run,
 West, on a true line, bet. secs. 14 and 23.
 Over level land.
- 5.30 Dry wash, 10 lks. wide, 2 ft. banks, course N. 40° W.
- 19.65 Dry wash, 15 lks. wide, 1 ft. banks, course N. 40° W.
- 39.90 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.

Subdivision of Township 7 North Range 14 West 9.

Chains.

79.81 Cor. of secs. 14, 15, 22 and 23.
 Land, level.
 Soil gravelly, 3rd rate.
 Timber, palo verde, and ironwood.
 Undergrowth, greasewood brush, ocotillo and giant cactus.
 June 9, 1914.

June 10, 1914:
 At 8h. a.m., l.m.t., I set off $33^{\circ}56'$ N. on the lat. arc;
 $22^{\circ}59'$ 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,
 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.

47.00 Dry wash, 20 lks. wide, 2 ft. banks, course N. 30° W.
 57.20 Dry wash, 15 lks. wide, 2 ft. banks, course N. 80° W.
 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 14 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, gravelly, 3rd rate.
 Timber, very scattering palo verde and ironwood.
 Undergrowth, greasewood brush, ocotillo and giant cactus.

40.00 East, on a random line, bet. secs. 11 and 14.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.83 Intersect the cor. of secs. 11, 12, 13 and 14.
 Thence I run,
 West, on a true line, bet. secs. 11 and 14.
 Over level land.

39.915 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 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 $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high,
 N. of cor.

47.80 Dry wash, 15 lks. wide, 1 ft. banks, course N. 30° W.
 65.20 Dry wash, 20 lks. wide, 1 ft. banks, course N. 30° W.
 79.83 Cor. of secs. 10, 11, 14 and 15.
 Land, level.
 Soil, sandy and gravelly, 3rd rate.
 Timber, very scattering palo verde and ironwood.
 Undergrowth, greasewood brush, ocotillo.

16. Subdivision of Township 7 North, Range 14 West.
Chains.

- N.0°01'W., bet. secs. 10 and 11.
Over level land.
- 21.10 Dry wash, 20 lks. wide, 1 ft. banks, course NW.
- 28.40 Dry wash, 20 lks. wide, 1 ft. banks, course NW.
- 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 10 in W., and
 $\frac{1}{4}$ 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 $3\frac{1}{2}$ 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. 2, 3, 10 and 11, with brass cap, marked,
 T 7 N R 14 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. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land, level.
 Soil, sandy and gravelly, 3rd rate.
 Scattering palo verde and ironwood.
 Undergrowth, greasewood brush, ocotillo.

- East, on a random line, bet. secs. 2 and 11.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.84 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 1, 2, 11 and 12.
 Thence I run,
 N.89°59'W. on a true line, bet. secs. 2 and 11.
 Over level land.
- 39.92 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 N., and
 $\frac{1}{4}$ 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 79.84 Cor. of secs. 2, 3, 10 and 11.
 Land, level.
 Soil, sandy, 3rd rate.
 No timber.
 Undergrowth, greasewood brush, ocotillo.

- N.0°01'W., on a random line, bet. secs. 2 and 3.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.91 Intersect N. bdy. of Tp., 9 lks. E. of the cor. of secs. 2, 3, 34 and 35, established by me, as described in Book "A."
 Thence I run,
 S.0°05' E., on a true line, bet. secs. 2 and 3.
 Over level land.
- 39.91 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
 $\frac{1}{4}$ 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.

Subdivision of Township 7 North, Range 14 West. 11.

Chains.

79.91 Cor. of secs. 2, 3, 10 and 11.
 Land, level.
 Soil, sandy, 3rd rate.
 No timber.
 Undergrowth, greasewood brush.
 Made no noon observation this day, as I was going between points at that time.

June 10, 1914.

W. H. T.

W.K.K.

For the adjustment and testing of the transit, see the beginning of the notes for the west boundary of T. 7 N., R. 14 W. in Book "A."

June 10, 1914.

At 8h. a.m., l.m.t., I set off $22^{\circ} 59\frac{1}{2}'$ N. on the decl. arc; $33^{\circ} 54'$ N. on the lat. arc; and determine a meridian with the solar at the true point for cor. of secs. 3, 4, 33 and 34 on south bdy. of Tp., witnessed 30 lks. W., as described in Book "A."

Thence I run, from true point for cor.,

N. $0^{\circ} 02'$ W. bet. secs. 33 and 34.

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 33 in W., and
 $\frac{1}{4}$ S 34 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.

74.00 Dry wash, 150 lks. wide, 4 ft. banks, course NW.

78.10 Road brs. NW. and SE.

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

T 7 N R 14 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;

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 and gravelly, 3rd rate.

Timber, ironwood and palo verde.

Undergrowth, greasewood brush, ocotillo and cactus.

East, on a random line, bet. secs. 27 and 34.

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

80.13 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 26, 27, 34 and 35.

Thence I run,

S. $89^{\circ} 59'$ W., on a true line, bet. secs. 27 and 34.

Over slightly rolling land.

4.10 Dry wash, 75 lks. wide, 2 ft. banks, course NW.

16.60 Road brs. NW. and SE.

24.60 Dry wash, 50 lks. wide, 4 ft. banks, course NW.

40.065 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 2 ft. base, 1 ft. high around post for $\frac{1}{4}$ sec. cor., with brass cap, marked,

 $\frac{1}{4}$ S 27 in N., and

S 34 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.

- 53.40 Dry wash, 75 lks. wide, 5 ft. banks, course N. 60° W.
56.90 Dry wash, 75 lks. wide, 5 ft. banks, course NW.
73.65 Ravine, 50 lks. wide, 5 ft. deep, course NW.
80.13 Cor. of secs. 27, 28, 33 and 34.
Land, slightly rolling.
Soil, sandy and gravelly, 3rd rate.
Timber, ironwood and palo verde; undergrowth, greasewood.

N. $0^{\circ} 02' W.$, bet. secs. 27 and 28.

Over slightly rolling land.

- 5.50 Ravine, 75 lks. wide, 6 ft. deep, course NW.
12.50 Dry wash, 75 lks. wide, 5 ft. banks, course NW.
19.00 Road brs. NW and SE.
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;
pits impracticable. Build a mound of stone 3 ft.
base, 3 ft. high, W. of cor.
45.00 Dry wash, 40 lks. wide, 1 ft. banks, course NW.
51.00 Dry wash, 40 lks. wide, 2 ft. banks, course NW.
52.10 Dry wash, 75 lks. wide, 2 ft. banks, course W.
64.00 Dry wash, 100 lks. wide, 1 ft. banks, course W.
72.50 Dry wash, 60 lks. wide, 4 ft. banks, course N. 50° W.
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,
T 7 N R 14 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;
pits impracticable. Build a mound of stone 3 ft. base,
3 ft. high, west of cor.
Land, slightly rolling.
Soil, sandy and gravelly, 3rd rate.
Timber, ironwood and palo verde.
Undergrowth, greasewood brush, ocotillo, cacti.

East, on a random line, bet. secs. 22 and 27.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.12 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 22, 23,
26 and 27.
Thence I. run,
S. $89^{\circ} 59' W.$, on a true line, bet. secs. 22 and 27:
Over slightly rolling land.
35.40 Ravine, 75 lks. wide, 5 ft. banks, course N. 10° W.
40.06 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;
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.
64.40 Dry wash, 50 lks. wide, 5 ft. banks, course N. 15° W.
80.12 Cor. of secs. 21, 22, 27 and 28.
Land, slightly rolling.
Soil, sandy and gravelly, 3rd rate.

Subdivision of Township 7 North, Range 14 West.

Chains.

Timber, ironwood and palo verde.
Undergrowth, greasewood brush, ocotillo and cactus.
At this cor., I set off 23° 0' N. on the decl., and at 11h.
59m. a.m., l.m.t., I observe the sun on the meridian; the
resulting latitude is 33° 55½' N.

N. 0° 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 ¼ sec. cor., with brass cap, marked,
¼ S 21 in W., and
¼ S 22 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,
W. of cor.

43.00 Dry wash, 75 lks. wide, 2 ft. banks, course N. 20° 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 14 W in N. half;
S 16 in NW. q
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. 5½ ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
Land, level.

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

East, on a random line, bet. secs. 15 and 22.

40.00 Set temp. ¼ sec. cor.
80.13 Intersect N. and S. line, 10 lks. S. of the cor. of secs. 14,
15, 22 and 23.
Thence I run,
S. 89° 56' W. on a true line, bet. secs. 15 and 22.
Over level land.

40.065 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 15 in N., and
¼ 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 3½ ft. base, 1½ ft. high, N. of cor.

40.10 Dry wash, 100 lks. wide, 1 ft. banks, course N. 58° W.

80.13 Cor. of secs. 15, 16, 21 and 22.
Land, level.
Soil, sandy and gravelly, 3rd rate.
Timber, ironwood and palo verde.
Undergrowth, greasewood brush, ocotillo, cactus.

N. 0° 2' 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
the ground for ¼ sec. cor., with brass cap, marked,
¼ S 16 in W., and
¼ 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 3½ ft. base, 1½ ft. high,
W. of cor.

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Chains.

67.00 Dry wash, 50 lks. wide, 1 ft. banks, course NW.
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 14 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, sandy and gravelly, 3rd rate.
Timber, ironwood and palo verde.
Undergrowth, greasewood brush; ocotillo and cactus.

East, on a random line, bet. secs. 10 and 15.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.16 Intersect N. and S. line, 10 lks. S. of the cor. of secs. 10, 11, 14 and 15.
Thence I run,
S. $89^{\circ}56'$ W., on a true line, bet. secs. 10 and 15.
Over level land.
40.08 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; from which,
An ironwood, 20 ins. in diam., brs. N. $89^{\circ}30'$ W.,
8 lks. dist., marked $\frac{1}{4}$ S 10 B T.
No other tree available. 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.
41.55 Dry wash, 40 lks. wide, 2 ft. banks, course N. 20° W.
80.16 Cor. of secs. 9, 10, 15 and 16.
Land, level.
Soil, sandy, 2nd rate.
Timber, ironwood.
Undergrowth, greasewood brush, ocotillo.
June 10, 1914.

June 12, 1914: At 8h. a.m.; l.m.t., I set off $33^{\circ}57\frac{1}{2}'$ N. on decl. arc; $23^{\circ}09'$ N. on the lat. arc, and determine a meridian with the solar at the cor. of secs. 9, 10, 15 and 16.
Thence I run,
N. $0^{\circ}02'$ W., bet. secs. 9 and 10.
Over level land.
12.50 Dry wash, 40 lks. wide, 2 ft. banks, course west.
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 14 W in N. half;
S 4 in NW.,
S 3 in NE.,
S 10 in SE., and

Chains.

S 9 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, 2nd rate;
 Timber, ironwood, Undergrowth, greasewood brush.

East, on a random line, bet. secs. 3 and 10.
 40.00 Set temp. 1/4 sec. cor.
 80.19 Intersect N. and S. line, 13 lks. S. of the cor. of secs. 2, 3,
 10 and 11.
 Thence I run,
 S. 89° 54' W., on a true line, bet. secs. 3 and 10.
 Over level land.
 40.09 5 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 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 1/2 ft. base, 1 1/2 ft. high, N. of
 cor.
 52.25 Dry wash, 20 lks. wide, 1 ft. banks, course NW.
 80.19 Cor. of secs. 3, 4, 9 and 10.
 Land, level.
 Soil, sandy, 2nd rate.
 Timber, scattering ironwood.
 Undergrowth, greasewood brush.

N. 0° 02' W., on a random line, bet. secs. 3 and 4.
 40.00 Set temp. 1/4 sec. cor.
 80.12 Intersect N. bdy. of Tp., 3 lks. W. of the cor. of secs. 3, 4,
 33 and 34, established by W. H. Thorn, as described in
 Book "A."
 Thence I run,
 S. 0° 01' E., on a true line, bet. secs. 3 and 4.
 Over level land.
 40.12 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 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 1/2 ft. base, 1 1/2 ft. high,
 W. of cor.
 41.80 Dry wash, 30 lks. wide, 1 ft. banks, course NW.
 80.12 Cor. of secs. 3, 4, 9 and 10.
 Land, level.
 Soil, sandy, 2nd rate.
 Timber, scattering ironwood.
 Undergrowth, greasewood brush.

June 12, 1914.

June 11, 1914:
 At 8h. a.m., 1.m.t., I set off 33° 54' N. on lat. arc; 23° 04 1/2'
 N. on decl. arc, and determine a meridian with the solar
 at the cor. of secs. 4, 5, 32 and 33 on south bdy. of Tp.,
 established by me, as described in Book "A."

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Chains.

Thence I run,
N.0°02'W., bet. secs.32 and 33.

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 32 in W., and S 33 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.

40.10 Dry wash, 50 lks.wide, $\frac{1}{2}$ ft.banks, course NW.

- 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 14 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, level.

Soil, sandy, 2nd rate.

Timber, none.

Undergrowth, greasewood brush, ocotillo and cactus.

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

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

- 80.00 Intersect N.and S. line, 3 lks.N.of the cor.of secs.27,28, 33 and 34.

Thence I run;

N.89°59'W., on a true line, bet. secs.28 and 33.

Over level land.

- 3.40 Road brs.NW. and SE.
- 12.00 Dry wash, 200 lks.wide, 3 ft.banks, course NW.

37.50 Road brs.N.5°W. and S.5°E.

- 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
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.

- 80.00 Cor.of secs.28,29, 32 and 33.

Land, level.

Soil, sandy, 2nd rate.

No timber.

Undergrowth, greasewood brush, ocotillo and cactus.

N.0°02'W., bet. secs. 28 and 29.

Over level land.

- 26.00 Dry wash, 100 lks.wide, 1 ft.banks, course N.70° 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 29 in W., and
S 28 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.

- 74.00 Dry wash, 150 lks.wide, 1 ft.banks, course NW.

- 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

Subdivision of Township 7 North, Range 14 West. 17.

Chains.

brass cap, marked,
T 7 N R 14 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 1/2 ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high, W. of
cor.

Land, level.
Soil, sandy, 2nd rate.
Timber, none.
Undergrowth, greasewood brush, ocotillo, and cactus.

East, on a random line, bet. secs. 21 and 28

40.00 Set temp. 1/4 sec. cor.
80.00 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 21,
22, 27 and 28.

Thence I run,
N. 89° 58' W. on a true line, bet. secs. 21 and 28.
Over level land.

1.90 Dry wash, 60 lks. wide, 4 ft. banks, course N. 3° W.
20.00 Dry wash, 100 lks. wide, 2 ft. banks, course NW.
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 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 1/2 ft. base, 1 1/2 ft. high, N.
of cor.

49.00 Dry wash, 150 lks. wide, 2 ft. banks, course N. 5° W.
69.00 Road brs. N. 60° W. and S. 60° E.
75.50 Dry wash, 50 lks. wide, 1 ft. banks, course NW.
80.00 Cor. of secs. 20, 21, 28 and 29.
At this cor., I set off 23° 05' N. on the decl. arc; and
at 11h. 59.3m. a.m.; 1.m.t., I observe the sun on the
meridian; the resulting lat. is 33° 55 1/2' N.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, ocotillo and cactus.

N. 0° 02' W., bet. secs. 20 and 21.
Over level land.

4.00 Dry wash, 50 lks. wide, 1 ft. banks, course NW.
6.90 Road brs. N. 60° W. and S. 60° E.
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 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 1/2 ft. base, 1 1/2 ft. high,
W. of cor.

78.00 Dry wash, 100 lks. wide, 1 ft. banks, course N. 10° W.
80.00 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 20 in W., and
S 21 in E. half;
1914 in S. rim;

18. Subdivision of Township 7 North, Range 14 West.

Chains.

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 brass cap, marked,
 T 7 N R 14 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. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land, level.
 Soil, sandy, 2nd rate.
 Undergrowth, greasewood brush, ocotillo and cactus.

40.00 East, on a random line, bet. secs. 16 and 21.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 15, 16, 21 and 22.
 Thence I run,
 N. 89° 58' W., on a true line, bet. secs. 16 and 21.
 Over level land.
 13.65 Dry wash, 40 lks. wide, 1 ft. banks, course NW.
 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 16 in N., and
 $\frac{1}{4}$ 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 80.04 Cor. of secs. 16, 17, 20 and 21.
 Land, level.
 Soil, sandy, 2nd rate.
 No timber.
 Undergrowth, greasewood brush, ocotillo and cactus.

N. 0° 02' W., bet. secs. 16 and 17.
 Over level land.
 12.00 Dry wash, 30 lks. wide, 1 ft. banks, course NW.
 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 17 in W., and
 $\frac{1}{4}$ S 16 in E. half;
 1914 in S. rim;
 dig pits 18x18x12 ins., N. and S. of cor., $\frac{3}{4}$ ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, west 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 14 W in N. half;
 S 8 in NW.,
 S 9 in NE.,
 S 16 in SE., and
 S 17 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

Subdivision of Township 7 North Range 14 West. 10. 19.

Chains.

cor.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, ocotillo and cactus.
June 11, 1914.

June 12, 1914.
East, on a random line, bet. secs. 9 and 16.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.04 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 9, 10, 15 and 16.
Thence I run,
N. $89^{\circ}59'$ W., on a true line, bet. secs. 9 and 16.
Over level land.
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 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.
80.04 Cor. of secs. 9, 16 and 17.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, ocotillo and cactus.
At this cor., I set off $23^{\circ}09'$ N. on the decl. arc; and at 11h. 59.5m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is $33^{\circ}57\frac{1}{2}'$ N.

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,
T 7 N R 14 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, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush.

East, on a random line, bet. secs. 4 and 9.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.01 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 3, 4, 9 and 10.

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Chains.

- Thence I run,
N.89°59'W., on a true line, bet. secs.4 and 9.
Over level land.
- 40.005 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 4 in N., and
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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 72.00 Dry wash, 30 lks. wide, 1 ft. banks, course NW.
- 80.01 Cor. of secs. 4, 5, 8 and 9.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush.

- N.0°02'W., on a random line, bet. secs. 4 and 5.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. bdy. of Tp., 8 lks. W. of the cor. of secs. 4, 5, 32 and 33, established by W.H. Thorn, as described in Book "A."
- Thence I run,
S.0°1'W. on a true line, bet. secs. 4 and 5.
- 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,
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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 73.80 Dry wash, 30 lks. wide, 1 ft. banks, course NW.
- 80.10 Cor. of secs. 4, 5, 8 and 9.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, ocotillo.
June 12, 1914.

W.K. Kierulff
U. S. Transitman.

W.H.T.

June 11, 1914: At 8h. 15m. a.m., 1 m.t., I set off 33°54' N. on lat. arc; 23°04' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32 on south 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 rolling land.
- 9.20 Ravine, 40 lks. wide, 4 ft. banks, course N.70°W.
- 16.55 Ravine, 80 lks. wide, 6 ft. deep, course N.80°W.
- 25.30 Ravine, 30 lks. wide, 4 ft. deep, course N.70°W.
- 34.40 Dry wash, 60 lks. wide, 1 ft. banks, course N.70°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,
S 31 in W., and
S 32 in E. half;
1914 in S. rim;
pits impracticable. Build a mound of stone 3 ft. base,

Subdivision of Township 7 North, Range 14 West, 21.

Chains.

2 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. 29, 30, 31 and 32, with brass cap, marked,
 T 7 N R 14 W in N. half;
 S 30 in NW.,
 S 29 in NE.,
 S 32 in SE., and
 S 31 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 to 40.00 chs.; thence gradual NW. slope. Soil, gravelly, surface covered with loose stone, 4th rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood brush, 4 ft. high.

East, on a random line, bet. secs. 29 and 32.
 40.00 Set temp. 1/4 sec. cor.
 79.92 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 28, 29, 32 and 33.
 Thence I run,
 S. 89° 59' W., on a true line, bet. secs. 29 and 32.
 Over level land.
 39.96 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 29 in N., and
 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 1/2 ft. base, 1 1/2 ft. high, N. of cor.
 79.92 Cor. of secs. 29, 30, 31 and 32.
 Land, level.
 Soil, gravelly, 4th rate.
 Timber, very scattering palo verde and ironwood.
 Undergrowth, greasewood brush.

West, on a random line, bet. secs. 30 and 31.
 40.00 Set temp. 1/4 sec. cor.
 76.20 Intersect W. bdy. of Tp., 4 lks. N. of the cor. of secs. 25, 30, 31 and 36, established by W.K. Kierulff, as described in Book "A."
 Thence I run,
 N. 89° 58' E., on a true line, bet. secs. 30 and 31.
 Over level land.
 36.20 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 30 in N., and
 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 1/2 ft. base, 1 1/2 ft. high, N. of cor.
 76.20 The cor. of secs. 29, 30, 31 and 32.
 Land, level.
 Soil, gravelly, 4th rate.
 Timber, very scattering palo verde and ironwood.
 Undergrowth, greasewood brush.

22. Subdivision of Township 7 North, Range 14 West.
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.

74.30 Dry wash, 15.lks.wide, 1 ft. banks, course N.60° W.

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 14 W in N.half;
S 19 in NW.¼
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, gravelly, 3rd rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood brush, 4 ft.high,
Ocotillo and giant cactus.

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

40.00 Set temp. $\frac{1}{4}$ sec.cor.
79.90 Intersect cor. of secs. 20,21,28 and 29.
Thence I run,
West, on a true line, bet. secs.20 and 29.
Over level land.
6.20 Dry wash, 60 lks.wide, 1 ft.banks, course N.60°W.
39.95 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.

62.40 Ravine, 60 lks.wide, 5 ft.deep, course N.60°W.
79.90 Cor.of secs.19,20,29 and 30.
Land, level.
Soil, gravelly, 4th rate.
Timber, very scattering palo verde and ironwood.
Undergrowth, greasewood, ocotillo and giant cactus.
At this cor., I set off 23° 05' N. on the decl.arc; and at 11h. 59.3m.a.m., 1.m.t., I observe the sun on the meridian; the resulting lat. is 33° 55 $\frac{1}{2}$ 'N.

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

40.00 Set temp. $\frac{1}{4}$ sec.cor.
76.14 Intersect west bdy.of Tp., 1 lk.S.of the cor.of secs.19,24, 25 and 30, established by W.K.Kierulff, as described in Book "A."
Thence I run,
East, on a true line, bet. secs.19 and 30.
Over level land.
36.14 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;

Subdivision of Township 7 North, Range 14 West. 23.

Chains.

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.

76.14 Cor. of secs. 19, 20, 29 and 30.
Land, level,
Soil, gravelly, 4th rate.
Timber, very scattering palo verde, and ironwood.
Undergrowth, greasewood brush, ocotillo and giant cactus.

N. 0° 03' W., bet. secs. 19 and 20.
Over level land.

12.40 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 1/4 sec. cor., with brass cap, marked, 1/4 S 19 in W., and 1/4 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 1/2 ft. base, 1 1/2 ft. high, W. of cor.

42.10 Dry wash, 15 lks. wide, 1 ft. banks, course N. 60° W.
58.30 Dry wash, 30 lks. wide, 1 ft. banks, course N. 60° W.
63.70 Road brs. N. 60° W. and S. 60° W.
80.00 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 14 W in N. half;
S 18 in NW.,
S 17 in NE.
S 20 in SE.; and
S 19 in SW. quadrants;
1914 in S rim;
dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., raise a mound of earth 4 ft. base, 2 ft. high, W. of cor., from which,
A palo verde, 18 ins. in diam., brs. N. 30° E., 106 lks. dist., marked T 7 N R 14 W S 17 B T.
A palo verde, 10 ins. in diam., brs. N. 20° W., 82 lks. dist., marked T 7 N R 14 W S 18 B T.

No other trees within limits.
Land, level.
Soil, gravelly, 3rd rate.
Undergrowth, greasewood brush.
Timber, scattering palo verde and ironwood.

East, on a random line, bet. secs. 17 and 20.

40.00 Set tempt. 1/4 sec. cor.
79.88 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 16, 17, 20 and 21.
Thence I run,
N. 89° 58' W. on a true line, bet. secs. 17 and 20.
Over level land.

10.00 Wash, 20 lks. wide, 1 ft. banks, course N. 10° W.
15.05 Ravine, 15 lks. wide, 4 ft. deep, course N. 30° W.
30.15 Ravine, 40 lks. wide, 4 ft. deep, course N. 30° W.
39.94 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 N., and 1/4 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 1/2 ft. base, 1 1/2 ft. high, N. of cor.

79.88 Cor. of secs. 17, 18, 19 and 20.
Land, level.
Soil, gravelly, 3rd rate.

24. Subdivision of Township 7 North Range 14 West.

Chains.

Timber, scattering palo verde.
Undergrowth, greasewood brush, ocotillo and giant cactus.

West, on a random line, bet. secs.18 and 19.

40.00 Set temp. $\frac{1}{4}$ sec.cor.
76.02 Intersect west bdy. of Tp. at the cor.of secs.13,18,19
and 24, established by W.K.Kierulff, as described in
Book "A."

Thence I run,
East, on a true line, bet. secs.18 and 19.
Over level land.

36.02 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 18 in N., and
S 19 in S.half;
1914 in S.rim; dig pits 18x18x12 ins.E.&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.

53.05 Road brs.N.60° W. and S.60°E.
76.02 Cor.of secs. 17,18,19 and 20.
Land,level.
Soil, gravelly, 3rd rate.
Timber, scattering palo verde.
Undergrowth, greasewood brush, ocotillo and giant cactus.
June 11, 1914.

June 12, 1914: At 7h. a.m.,l.m.t., I set off 33°57'N.on
lat.arc; 23°09' 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°03'W., bet. secs. 17 and 18.
Over level land.

40.00 Set an ironpost, 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.

54.20 Dry wash,20 lks.wide, 1 ft. banks, course N.60°W.
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 R14 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, sandy and gravelly, 3rd rate.
Timber, very scattering palo verde and ironwood.
Undergrowth, greasewood brush 4 to 5 ft. high,ocotillo.

East, on a random line, bet. secs.8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec.cor.
79.89 Intersect N.and S. line, 5 lks.N.of the cor.of secs.8,9,
16 and 17.
Thence I run,

Subdivision of Township 7 North, Range 14 West. 25.

Chains.

N.89°58'W., on a true line, bet. secs.8 and 17.
 Over level land.
 39.945 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 N., and
 $\frac{1}{4}$ 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.
 79.89 Cor.of secs.7,8,17 and 18.
 Land, level.
 Soil, sandy and gravelly, 3rd rate.
 Timber, very scattering palo verde and ironwood.
 Undergrowth, greasewood brush, 4 to 5 ft.high. Ocotillo.

West, on a random line, bet. secs.7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 75.91 Intersect west bdy.of Tp., 5 lks.N.of the cor.of secs.7,
 12, 13 and 18, established by W.K.Kierulff,as described
 in Book "A."
 Thence I run,
 N.89°58'E. on a true line, bet. secs.7 and 18.
 Over level land.
 35.91 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
 $\frac{1}{4}$ S 18 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.
 54.70 Dry wash,20 lks.wide, 2 ft.banks, course N.40°W.
 75.91 Cor.of secs.7,8,17 and 18.
 Land,level.
 Soil, sandy, 3rd rate.
 No timber.
 Undergrowth, greasewood brush 4 to 5 ft.high.
 Scattering cactus.

N.0°03'W., bet. secs.7 and 8.
 Over level land.
 40.00 Set an iron post 3 ft.long, 1 in. indiam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., with brass cap; marked,
 $\frac{1}{4}$ S 7 in W.,and
 $\frac{1}{4}$ S 8 in E.half;
 1914 inS.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,
 west 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 14 W in N.half;
 S 6 in NW.,
 S 5 in NE.,
 S 8 in SE., and
 S 7 in SW.quadrants;
 1914 inS.rim;
 dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist.,and
 and raise a mound of earth 4 ft.base, 2 ft.high, W.of
 cor.
 Land,level.
 Soil, sandy, 3rd rate.

26. Subdivision of Township 7 North Range 14 West.
Chains.

No timber.
Undergrowth, greasewood brush 4 to 5 ft. high.
Scattering cactus.

-
- East, on a random line, bet. secs. 5 and 8.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 4, 5, 8 and 9.
Thence I run,
N. $89^{\circ}58'$ W., on a true line, bet. secs. 5 and 8.
Over level land.
39.95 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.
79.90 Cor. of secs. 5, 6, 7 and 8.
Land, level.
Soil, sandy, 3rd rate.
No timber.
Undergrowth, greasewood brush 4 to 5 ft. high.
Scattering cactus.

-
- West, on a random line, bet. secs. 6 and 7.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
75.75 Intersect west bdy. of Tp., 5 lks. N. of the cor. of secs. 1, 6, 7 and 12, established by W. K. Kierulff, as described in Book "A."
Thence I run,
N. $89^{\circ}58'$ E., on a true line, bet. secs. 6 and 7.
Over level land.
35.75 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.
75.75 Cor. of secs. 5, 6, 7 and 8.
Land, level.
Soil, sandy, 3rd rate.
No timber.
Undergrowth, greasewood brush, 4 to 5 ft. high.
Scattering cactus.

-
- N. $0^{\circ}03'$ W., on a random line, bet. secs. 5 and 6.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.01 Intersect N. bdy. 3 lks. W. of the cor. of secs. 5, 6, 31 and 32, established by me, as described in Book "A."
Thence I run,
S. $0^{\circ}02'$ E., on a true line, bet. secs. 5 and 6.
Over level land.
40.01 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.,

Subdivision of Township 7 North Range 14 West. 27.

Chains.

and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

80.01 Cor. of secs. 5, 6, 7 and 8.
 Land, level.
 Soil, sandy, 3rd rate.
 No timber.
 Undergrowth, greasewood brush, 4 to 5 ft. high.
 Scattering cactus.
 Made no noon observation this day, because I was going between points at that time.

June 12, 1914.
 W. H. T.

GENERAL DESCRIPTION.

This township is mountainous in secs. 24, 25, 26, 35 and 36; high granite hills, no soil. There has been prospecting for copper in these secs. The remaining south half is a gradual NW. slope, covered with a coarse gravel with sand, covered with greasewood brush, 4 to 10 ft. high. Scattering ironwood, palo verde, giant cactus, cholla and ocotillo. The north half of this township is good sandy soil, with clay subsoil, and is covered with a growth of greasewood brush 4 to 10 ft. high; very little grass. No settlers.

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

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BOOK 2847

FOR FINAL OATHS 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 14 West of the Gila and Salt River Base and Meridian in the State of Arizona.*

executed by *M. V. Thorn* U. S. Surveyor & *W. T. Keriff* U. S. Transitman under *his* special instructions dated *February 11, 1914* for *Group 34*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
 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.~~