

2848

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SEP. 4- 1914

Book "N"
-Subdivisions-
FIELD NOTES

BOOK 2848

OF THE SURVEY OF ~~THE~~

Part of the

Subdivision lines of
Township 8 North, Range 14 West

Of the Gila & Salt River Base & Meridian,

In the State of ARIZONA

EXECUTED BY

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

and

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

~~In the capacity of U.S. Surveyor~~, under instructions dated February 11, 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, 1914.

Survey commenced June 13, 1914.

Survey completed June 23, 1914.

BOOK 2848

Book "N"

INDEX DIAGRAM.

Township 8 North Range 14 West.

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- Notes in book "A" Thorn,
- Notes in book "C" Nicollet,
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- Notes in book "P"
- Accepted surveys.
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Partial Subdivision of Township 8 North, Range 14 West.

16

Chains.

Survey of the Subdivision lines in this township commenced June 13, 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.K.K.

I examine the adjustments of the transit, and find it correct for level and collimation; then, to test the solar apparatus by a.m. and p.m. observations on a meridian determined by observations on Polaris, I proceed as follows:

June 13, 1914: At a point near camp in sec. 21, T. 8 N., R. 14 W., at 4h. p.m., l.m.t., I set off 34° 01' N. on the lat. arc; 23° 13 1/2' N. on the decl. arc; and determine a meridian with the solar. On the line thus determined I set a rod 10 chs. N. of my station.

At 8h. 16m. p.m., I observe Polaris at lower culmination in accordance with the Manual of Instructions.

June 14, 1914. At 8h. a.m., l.m.t., I set off 34° 01' N. on the lat. arc; 23° 15 1/2' N. on decl. arc, and determine a meridian with the solar.

The meridian thus determined falls upon the rod set 10.00 chs. N. of my station, as does the meridian determined by observations upon Polaris. Therefore, I conclude that the adjustments of the instrument are satisfactory.

June 16, 1914.

June 16, 1914: At the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp. established by W.H. Thorn, as described in Book "A"; latitude, 33° 59' 06" N.; long. 113° 41' 04" W.,

At 8h. a.m., l.m.t., I set off 33° 59' N. on the lat. arc; 23° 21' N. on the decl. arc; and determine a meridian with the solar.

Thence I run, N. 0° 01' W. bet. secs. 35 and 36. 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 35 in W., and S 36 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. 25, 26, 35 and 36, with brass cap, marked,

T 8 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;

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, cactus; scattering native grass.

2. Partial Subdivision of Township 8 North Range 14 West
Chains.

- East, on a random line bet. secs. 25 and 36.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.99 Intersect east bdy. of Tp., 5 lks. S. of the cor. of secs. 25, 30, 31 and 36, established by W.H. Thorn, as described in Book "A."
- Thence I run,
S. $89^{\circ} 58'$ W., on a true line, bet. secs. 25 and 36.
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,
 $\frac{1}{4}$ S 25 in N., and
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.
- 45.00 Dry wash, 10 lks. wide, 2 ft. banks, course NW.
- 79.99 Cor. of secs. 25, 26, 35 and 36.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush; cactus, scattering native grass.
-
- N. $0^{\circ} 01'$ W., bet. secs. 25 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 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 67.60 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. 23, 24, 25 and 26, with brass cap, marked,
T 8 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;
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, cactus, scattering native grass.
-
- East, on a random line, bet. secs. 24 and 25.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect east bdy. of Tp. at the cor. of secs. 24, 25, 19 and 30, established by W.H. Thorn, as described in Book "A."
- Thence I run,
West, on a true line, bet. secs. 24 and 25.
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 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

Partial Subdivision of Township 8 North, Range 14 West 3.

Chains.

79.94 cor.
Cor. of secs. 23, 24, 25 and 26.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, cactus; scattering native grass.

40.00 N.0°01'W., bet. secs. 23 and 24.
Over level land.
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 8 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.
At this cor., I set off 23°21' N. on the decl. arc and at 12h. 0.3m. observe the sun on the meridian; the resulting lat. is 34° 02' N.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, cactus; scattering native grass.

40.00 East, on a random line, bet. secs. 13 and 24.
Set temp. $\frac{1}{4}$ sec. cor.

79.97 Intersect east bdy. of Tp., 3 lks. S. of the cor. of secs. 13, 18, 19 and 24, established by W.H. Thorn, as described in Book "A."
Thence I run,
S. 89°59' W., on a true line, bet. secs. 13 and 24.
Over level land.

39.98 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.

79.97 Cor. of secs. 13, 14, 23 and 24.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, cactus, scattering native grass.

N.0°01' W., bet. secs. 13 and 14.

4. Partial Subdivision of Township 8 North Range 14 West.
Chains.

- 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 W., and
 $\frac{1}{4}$ 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 8 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, sandy, 2nd rate.
 No timber.
 Undergrowth, greasewood brush, cactus; scattering native grass.

- East, on a random line, bet. secs. 12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect east bdy. of Tp., at the cor. of secs. 7, 12, 13 and 18, established by W. H. Thorn, as described in Book "A." Thence I run,
 West, on a true line, bet. secs. 12 and 13.
- 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 12 in N., and
 $\frac{1}{4}$ 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.
- 79.94 Cor. of secs. 11, 12, 13 and 14.
 Land, level.
 Soil, sandy, 2nd rate.
 Undergrowth, greasewood brush, cactus. Scattering native grass.

June 16, 1914.

- June 19, 1914:
 At 8h. a.m., l.m.t., I set off $23^{\circ}26\frac{1}{2}'$ N. on the decl. arc;
 $34^{\circ}02\frac{1}{2}'$ N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14.
 Thence I run,
 N. $0^{\circ}01'$ 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 $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 11 in W., and
 $\frac{1}{4}$ 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,

Partial Subdivision of Township 8 North Range 14 West 5.

Chains.

T 8 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 $\frac{1}{2}$ 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, cactus, scattering native grass.

Timber, scattering mesquite.

40.00 East, on a random line, bet. secs. 1 and 12.
 Set temp. sec. cor.
 79.94 Intersect east bdy. of Tp., 2 lks. S. of the cor. of secs. 1,
 6, 7 and 12, established by W.H. Thorn, as described in
 Book "A." Thence I run,

S. 89°59' W., on a true line, bet. secs. 1 and 12.

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

79.94 Cor. of secs. 1, 2, 11 and 12.

Land, level. Soil, sandy, 2nd rate.

Timber, mesquite.

Undergrowth, greasewood brush; cactus; scattering native grass.

N. 0°01' W., on a true line, bet. secs. 1 and 2.

Over level land.

21.00 Cunningham Wash, 100 lks. wide, 3 ft. banks, course SW.

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
 $\frac{1}{4}$ 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.

65.21 Intersect Second Standard Parallel North, 6.74 chs. W. of cor.
 the standard cor. of secs. 35 and 36, T. 9 N., R. 14 W.,
 established by me, as described in Book "C." At point of
 intersection,

Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the
 ground for closing cor. of secs. 1 and 2, with brass cap,
 marked;

T 9 N R 14 W in N., and
 T 8 N in S. half;

C C N. of center,

S 35 in NW.,

S 36 in NE.,

S 1 in SE., and

S 2 in SW. quadrants;

1914 in S. rim;

dig pits 24x18x12 ins., crosswise on each line, E. and W.
 3 ft., and S. of cor. 7 ft. dist., and raise a mound of
 earth 4 ft. base, 2 ft. high, S. of cor.

Land, level.

Soil, sandy, 2nd rate.

Undergrowth, greasewood brush, cactus; scattering native grass.

Timber, mesquite and palo verde.

June 19, 1914.

W. K. K.

6. Partial Subdivision of Township 8 North Range 14 West.

Chains.

W.H.T.

June 17, 1914: I examine the adjustments of the transit, and correct the level and collimation errors; then, 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. The meridians determined by the solar apparatus coincide with the meridian determined by observations on Polaris; thus I conclude that the adjustments of the instrument are satisfactory.

At 8h.30m. a.m., l.m.t., I set off $23^{\circ}23\frac{1}{2}'$ N. on the decl. arc; $33^{\circ}59'$ N. on the lat. 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 me, as described in Book "A." Thence I run,

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

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 34 in W., and
 $\frac{1}{4}$ S 35 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. 26, 27, 34 and 35, with brass cap, marked, T 8 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;

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, 3rd rate

No timber.

Undergrowth, greasewood brush, 4 to 6 ft. high.

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

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

80.04 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 25, 26, 35 and 36.

Thence I run,

N. $89^{\circ}59'$ W., on a true line, bet. secs. 26 and 35.

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 26 in N., and
 $\frac{1}{4}$ S 35 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 corner.

80.04 Cor. of secs. 26, 27, 34 and 35.

Land, level,

Soil, sandy, 3rd rate.

No timber.

Undergrowth, greasewood brush, 4 to 6 ft. high.

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

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 27 in W., and
 $\frac{1}{4}$ S 26 in E. half;
 1914 in S. rim;

Partial Subdivision of Township 8 North, Range 14 West. 7.

Chains.

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. 22, 23, 26 and 27, with brass cap, marked,

- T 8 N R 14 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 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, 4 to 8 ft. high.

East, on a random line, bet. secs. 23 and 26.

40.00 Set temp. 1/4 sec. cor.

80.10 Intersect N. and S. of line, 5 lks. N. of the cor. of secs. 23, 24, 25 and 26.

Thence 1 run,
N. 89° 58' W., on a true line, bet. secs. 23 and 26.
Over level land.

27.20 Road, Wenden to Swansea brs. N. 70° W. and S. 70° E.

40.05 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 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 1/2 ft. base, 1 1/2 ft. high, N. of cor.

80.10 Cor. of secs. 22, 23, 26 and 27.

Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, 4 to 8 ft. high.

N. 0° 01' W. bet. secs. 22 and 23.
Over level land.

10.63 Road brs. N. 70° W. and S. 70° 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 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 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. 14, 15, 22 and 23, with brass cap, marked,

- T 8 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 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level.

8. Partial Subdivision of Township 8 North Range 14 West.
Chains.

Soil, sandy, 2nd rate.
Timber, none.
Undergrowth, greasewood brush, 4 to 8 ft. high.

- East, on a random line, bet. secs. 14 and 23.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.05 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.
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 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.
80.05 Cor. of secs. 14, 15, 22 and 23.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, 4 to 6 ft. high.

- N. 0° 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 8 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, W. of cor.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush 4 to 6 ft. high.

- East, on a random line, bet. secs. 11 and 14.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.04 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.
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 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.

Partial Subdivision of Township 8 North, Range 14 West. 9.

Chains.

80.04 Cor. of secs. 10, 11, 14 and 15.
 Land, level.
 Soil, sandy, 2nd rate.
 No timber.
 Undergrowth, greasewood brush, 5 to 7 ft. high.
 June 17, 1914.
 W. H. T.

W.K.K.
 June 19, 1914: At the cor. of secs. 10, 11, 14 and 15, I set off 23°26' N. on the decl. arc.; and at 12h. 01m. p.m., l.m.t., I observe the sun on the meridian; the resulting lat. is 34°02½' N.

Thence I run,
 N. 0°01' W., bet. secs. 10 and 11.
 Over level land.
 12.00 Cunningham Wash, 100 lks. wide, 3 ft. banks, course SW.
 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 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 3½ ft. base, 1½ 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 8 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. 5½ 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.
 Timber, palo verde and mesquite; scattering native grass.

East, on a random line, bet. secs. 2 and 11.
 40.00 Set temp. ¼ sec. cor.
 80.05 Intersect N. and S. line, 3 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.
 29.05 Cunningham Wash, 150 lks. wide, 3 ft. banks, course SW.
 40.025 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 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 3½ ft. base, 1½ ft. high, N. of cor.

80.05 Cor. of secs. 2, 3, 10 and 11.
 Land, level.
 Soil, sandy, 2nd rate.
 Timber, palo verde and mesquite.
 Undergrowth, greasewood brush; scattering native grass.

10. Partial Subdivision of Township 8 North Range 14 West.
Chains.

- N. $0^{\circ}01'$ W., on a true line, bet, secs. 2 and 3,
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 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,
west of cor.
- 65.10 Intersect Second Standard Parallel North, 6.72 chs. W. of
the Standard cor. of secs. 34 and 35, T. 9 N., R. 14 W.,
established by me as described in Book "C." At point
of intersection,
Set an iron post 3 ft. long, 2 ins. in diam., 18 ins. in
the ground (could not set deeper for solid stone) build
a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, around post
for closing cor. of secs. 2 and 3, with brass cap,
marked,
T 9 N R 14 W in N., and
T 8 N in S. half;
C C N of center,
S 34 in NW.,
S 35 in NE.,
S 2 in SE., and
S 3 in SW. quadrants;
1914 in S. rim;
pits impracticable. Build a mound of stone 3 ft. base,
 $2\frac{1}{2}$ ft. high, S. of cor.
Land, level.
Soil, gravelly, 3rd rate.
Timber, palo verde.
Undergrowth, greasewood brush, ocotillo and giant cactus.
Scattering native grass.

June 19, 1914.

June 20, 1914:

- At 8h. a.m., l.m.t., I set off $23^{\circ}27'$ N. on the decl. arc;
 $33^{\circ}59'$ N. on the lat. arc; and determine a meridian with
the solar at the cor. of secs. 3, 4, 33 and 34 on the S.
bdy. of Tp. established by W.H. Thorn, as described in
Book "A".
Thence I run,
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
S 34 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. 27, 28, 33 and 34, with brass
cap, marked,
T 8 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 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, cactus; scattering native
grass.

Partial Subdivision of Township 8 North Range 14 West. 11

Chains.

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

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.03 Intersect N.and S. line, 2 lks.S.of the cor.of secs.26,27, 34 and 35.

Thence I run, S.89°59'W., on a true line, bet. secs.27 and 34. 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 27 in N., and
 - 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, N.of cor,

- 80.03 Cor.of secs. 27,28, 33 and 34.
Land,level.
Soil, sandy, 2nd rate.
Undergrowth, greasewood brush; cactus. Scattering native grass.

N.0°02'W., bet. secs. 27 and 28. 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 28 in W., and
 - 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,
 - T 8 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;
 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, cactus; scattering native grass.

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

- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.02 Intersect cor.of secs. 22,23,26 and 27.

Thence I run, West, on a true line, bet. secs.22 and 27. 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 22 in N., and
 - 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.

- 80.02 Cor.of secs.21,22,27 and 28.
Land,level.
Soil, sandy, 2nd rate.

12. Partial Subdivision of Township 8 North, Range 14 West.
Chains.

Timber, mesquite.
Undergrowth, greasewood brush, cactus. Scattering native grass.

N.0°02'W., bet. secs.21 and 22.
Over level land.

24.00 Road, Cunningham's Pass to Butler's Pass, brs. N.70°W. and S.70° 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,
S 21 in W., and
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 $3\frac{1}{2}$ 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. 15, 16, 21 and 22, with brass cap, marked,

T 8 N R 14 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, sandy, 2nd rate.

Timber, mesquite.

Undergrowth, greasewood brush, cactus; scattering native grass.

At this cor., I set off 23°27' N. on the decl. arc; and at 12h. l.m., a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is 34°02' N.

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

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

80.05 Intersect N. and S. line, 6 lks. S. of the cor. of secs. 14, 15, 22 and 23.

Thence I run,

S.89°57'W. on a true line, bet. secs. 15 and 22.

Over level land.

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 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.

80.05 Cor. of secs. 15, 16, 21 and 22.

Land, level.

Soil, sandy, 2nd rate.

Timber, mesquite.

Undergrowth, greasewood brush, cactus. Scattering native grass.

N.0°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

Partial Subdivision of Township 8 North, Range 14 West, 13.

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.

64.10 Cunningham Wash, 100 lks.wide, 3 ft.banks, course S.65° W.

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 8 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 corner.

Land, level.
Soil, sandy
Timber, mesquite, and palo verde.
Undergrowth, greasewood brush, cactus. Scattering native grass.

40.00 East, on a random line, bet. secs.10 and 15.
Set temp. $\frac{1}{4}$ sec.cor.
80.00 Intersect N.and S.line, 10 lks.S.of the cor.of secs.10,11, 14 and 15.

Thence I run,
S.89°56'W. on a true line, bet. secs. 10 and 15.
Over level land.

True point for $\frac{1}{4}$ sec.cor. falls on edge of wash, where it would be impracticable to establish cor.; therefore at
39.00 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 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.

40.00 True point for $\frac{1}{4}$ sec.cor. Enter Cunningham Wash, 100 lks. wide, 3 ft.banks, course S.75° W.

44.00 Leave dry wash.

69.25 Dry wash, 30 lks.wide, 3 ft.banks, course S.10° W.

80.00 Cor.of secs. 9,10,15 and 16.

Land, level.
Soil, sandy, 2nd rate.
Timber, mesquite and palo verde.
Undergrowth, greasewood brush; cactus; scattering native grass.

June 20, 1914.

June 22, 1914:
At 9h. a.m., l.m.t., I set off 23°07 $\frac{1}{2}$ 'N.on the decl.arc;
34°02 $\frac{1}{2}$ '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°02' W., bet. secs. 9 and 10.
Over level land.

14. Partial Subdivision of Township 8 North, Range 14 West.
Chains.

- 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
 $\frac{1}{4}$ 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.
- 64.00 Dry wash, 20 lks. wide, 1 ft. banks, course SE.
- 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 8 N R 14 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;
 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.
 Undergrowth, greasewood brush; cactus.
 Timber, palo verde.
-
- East, on a random line, bet. secs. 3 and 10.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.01 Intersect N. and S. line, 10 lks. S. of the cor. of secs. 2, 3, 10 and 11.
 Thence I run,
 S. $89^{\circ}56'$ W., on a true line, bet. secs. 3 and 10.
 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,
 $\frac{1}{4}$ S 3 in N., and
 $\frac{1}{4}$ S 10 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.
- 59.50 Ravine, 50 lks. wide, 4 ft. banks, course south.
- 80.01 Cor. of secs. 3, 4, 9 and 10.
 Land, level.
 Soil, sandy, gravelly, 3rd rate.
 Timber, palo verde.
 Undergrowth, greasewood brush, cactus. Giant cactus.
-
- N. $0^{\circ}02'30''$ W. on a true line, bet. secs. 3 and 4.
 Over rolling land.
- 7.00 Dry wash, 75 lks. wide, 3 ft. banks, course S. 30° W.
- 10.00 Ascend SW. slope.
- 11.20 Top of small spur on SE. slope.
 Descend NE. slope.
- 16.06 Foot of descent; thence over rolling land.
- 24.00 Dry wash, 30 lks. wide, 2 ft. banks, course S. 30° E.
- 27.00 Dry wash, 30 lks. wide, 2 ft. banks, course S. 10° 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 4 in W., and
 $\frac{1}{4}$ 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, west of cor.
- 43.00 Dry wash, 50 lks. wide, 2 ft. banks, course SE.
- 48.00 Ravine, 75 lks. wide, 6 ft. banks, course SE.

Partial Subdivision of Township 8 North Range 14 West. 15.

Chains.

51.50 Dry wash, 100 lks.wide, 5 ft.banks, course S.10°E.
 59.00 Ravine, 75 lks.wide, 5 ft.banks, course SE.
 64.50 Ravine, 100 lks.wide, 8 ft.deep, course SE.
 65.10 Intersect Second Standard Parallel North, 6.77 chs.W.of
 the Standard cor. of secs. 33 and 34, T.9 N., R.14 W.,
 established by me, as described in Book "C." Point
 of intersection falls in above ravine, where it is im-
 practicable to establish the closing cor.; therefore, at
 64.00 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 stone 2 ft.base, 1 1/2 ft.high around post for
 witness cor. to closing cor. of secs. 3 and 4, with
 brass cap, marked,
 T 9 N R 14 W in N., and
 T 8 N in S.half;
 C C N of center,
 W C S of center,
 S 33 in NW.,
 S 34 in NE.,
 S 3 in SE., and
 S 4 in SW.quadrants;
 1914 in S.rim;
 pits impracticable. Build a mound of stone 3 ft. base,
 3 ft.high, S.of cor.
 Land, rough.
 Soil, rocky, 4th rate.
 Timber, palo verde.
 Undergrowth, greasewood brush, cholla; giant cactus.
 June 22, 1914, to be continued.
 W.K.K.

W.H.T.

June 20, 1914: At 8h. a.m., 1.m.t., I set off 23°27'N.on
 the decl.arc; 33°59'N.on the lat.arc; and determine a
 meridian with the solar at the cor.of secs.4,5,32 and
 33 on the south bdy.of the Tp., established by me, as
 described in Book "A."
 Thence I run,
 N 0°02'W. bet. secs.32 and 33.
 Over level land.
 25.00 Dry wash, 15 lks.wide, 1 ft.banks, course N.50°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 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 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. 28,29,32 and 33, with brass
 cap, marked,
 T 8 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 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, 6 to 9 ft.high.

16. Partial Subdivision of Township 8 North, Range 14 West.
Chains.

- East, on a random line, bet. secs. 28 and 33.
Over level land.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 27, 28, 33 and 34.
Thence I run,
N. $89^{\circ}59'$ W., on a true line, bet. secs. 28 and 33.
Over level land.
- 39.98 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.
- 55.65 Road brs. N. and S.
79.96 Cor. of secs. 28, 29, 32 and 33.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, 6 to 10 ft. high.
-

- N. $0^{\circ}02'$ W., bet. secs. 28 and 29.
Over level land.
- 40.00 Set 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.
- 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 8 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. $5\frac{1}{2}$ 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, 4 to 8 ft. high.
-

- East, on a random line, bet. secs. 21 and 28.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.95 Intersect the cor. of secs. 21, 22, 27 and 28.
Thence I run,
West, on a true line, bet. secs. 21 and 28.
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. of secs. 21 and 28, 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.

Partial Subdivision of Township 8 North, Range 14 West. 17.

Chains.

65.55 Road brs.N.and S.
79.95 Cor.of secs.20,21,28 and 29.

Land,level.
Soil,sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, 6 to 8 ft.high.

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

31.50 Cunningham Wash,170 lks.wide, 4 ft.banks, course S·30°W.
33.00 At this point,I set off 23° 27'N. on the decl.arc; and
at 12h.01m.p.m., 1.m.t., I observe the sun on the
meridian; the resulting lat.is 34° 01½' N.

34.70 Road,Wenden to Swansea,brs.N.50°W. and E.
35.00 Clara Well brs.E.6 chs. dist.;drilled 310 ft.deep.
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 20 in W., and
S 21 in E.half;
1914 in S.rim; from which,
A palo verde, 20 ins. in diam., brs.S.28°15'E.,
497 lks.dist., marked ¼ S 21 B.T.

No other trees available. 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.

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 8 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. 5½ 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 4 to 8 ft.high.

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

40.00 Set temp.¼ sec.cor.
79.95 Intersect the cor.of secs.15,16,21 and 22.

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

39.975 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 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 3½ ft.base, 1½ ft.high,N.
of cor.

50.65 Dry wash,40 lks.wide, 2 ft.banks, course S.20° W.
51.15 Dry wash,100 lks.wide, 2 ft. banks,course S 20°W.
53.90 Dry wash,40 lks.wide,2 ft.banks, course S.20°W.
79.95 Cor.of secs.16,17,20 and 21.

Land,level.
Soil, sandy, 2nd rate.
Timber, palo verde,mesquite and ironwood along washes.
Undergrowth, greasewood brush 6 to 8 ft.high.

18. Partial Subdivision of Township 8 North Range 14 West.
Chains.

- 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 $\frac{1}{4}$ sec. cor., with brass cap, marked, $\frac{1}{4}$ 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 $3\frac{1}{2}$ 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. 8, 9, 16 and 17, with brass cap, marked,
T 8 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, west of cor.
Land, level.
Soil, sandy, 2nd rate.
Timber, none.
Undergrowth, greasewood brush 6 to 8 ft. high.

- East, on a random line, bet. secs. 9 and 16.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.93 Intersect the cor. of secs. 9, 10, 15 and 16.
Thence I run,
West, on a true line, bet. secs. 9 and 16.
Over level land.
- 39.965 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 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.
- 79.93 Cor. of secs. 8, 9, 16 and 17.
Land, level.
Soil, sandy, 2nd rate.
No timber.
Undergrowth, greasewood brush, 6 to 8 ft. high.
June 20, 1914.
W.H.T.

- W.K.K.
June 22, 1914: (Continued.)
At the cor. of secs. 8, 9, 16 and 17, I set off $23^{\circ}27\frac{1}{2}'$ N. on the decl. arc; and at 12h. 1.6m. p.m., l.m.t., I observe the sun on the meridian; the resulting lat. is $34^{\circ}02\frac{1}{2}'$ N.
Thence I run,
N.0°02'W. bet. secs. 8 and 9.
Over very gradual south slope.
- 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 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.

Partial Subdivision of Township 8 North, Range 14 West. 19

Chains.

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. 4, 5, 8 and 9, with brass cap, marked,
 T 8 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;
 pits impracticable. Build a mound of stone 3 ft. base, 2 1/2 ft. high, W. of cor.
 Land, gradual S. slope.
 Soil, rocky, 4th rate.
 Timber, palo verde.
 Undergrowth, greasewood brush and cholla cactus.
 Giant cactus.

40.00 East, on a random line, bet. secs. 4 and 9.
 Set temp. 1/4 sec. cor.
 79.93 Intersect the cor. of secs. 3, 4, 9 and 10.
 Thence I run,
 West, on a true line, bet. secs. 4 and 9.
 Over rolling land.
 1.60 Dry wash, 75 lks. wide, 3 ft. banks, course S. 10° W.
 15.00 Ascend NE. slope.
 20.00 Top of ascent; thence along south slope.
 24.00 Descend SW. slope.
 29.00 Foot of descent; thence over rolling land.
 39.965 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 N., and
 S 9 in S. half;
 1914 in S. rim;
 pits impracticable. Build a mound of stone 3 ft. base, 2 1/2 ft. high, N. of cor.
 52.00 Dry wash, 100 lks. wide, 8 ft. banks, course S. 50° E.
 71.00 Dry wash, 100 lks. wide, 1 ft. banks, course S.
 79.93 Cor. of secs. 4, 5, 8 and 9.
 Land, rolling.
 Soil, rocky, 4th rate.
 Undergrowth, greasewood brush and cholla cactus.
 Timber, palo verde; giant cactus.
 June 22, 1914.
 W. K. K.

W. H. T.
 June 22, 1914: At 8h. 30m. a.m., l.m.t., I set off 23° 27 1/2' N. on the decl. arc; 33° 59' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32, on the south bdy. of the Tp., established by me, as described in Book "A."
 Thence I run,
 N. 0° 03' W., bet. secs. 31 and 32.
 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 31 in W., and
 S 32 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.
 72.90 Cunningham Wash 110 lks. wide, 4 ft. banks, course S. 50° W.
 74.30 Cunningham Wash, 60 lks. wide, 4 ft. banks, course S. 50° W.

20. Partial Subdivision of Township 8 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. 29, 30, 31 and 32, with brass cap, marked,

T 8 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. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sandy, 2nd rate.

Timber, mesquite and palo verde along wash.

Undergrowth, greasewood brush.

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

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

80.10 Intersect the cor. of secs. 28, 29, 32 and 33.

Thence I run,

West, on a true line, bet. secs. 29 and 32.

Over level land.

40.05 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 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

66.40 Cunningham Wash, 100 lks. wide, 4 ft. banks, course SW.

70.50 Cunningham Wash, 60 lks. wide, 4 ft. banks, course SW.

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

Land, level.

Soil, sandy, 2nd rate.

Timber, mesquite and palo verde along wash.

Undergrowth, greasewood brush 6 to 8 ft. high.

Cholla cactus.

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

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

75.51 Intersect west bdy. of Tp. 1 lk. N. of the cor. of secs. 25, 30, 31 and 36, established by W. K. Kierulff, as described in Book "A."

Thence I run,

East, on a true line, bet. secs. 30 and 31.

Over level land.

35.51 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

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.

53.00 Dry wash, 30 lks. wide, 3 ft. banks, course S.

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

Land, level.

Soil, sandy, 2nd rate.

Timber, scattering mesquite and palo verde.

Undergrowth, greasewood brush, 4 to 6 ft. high.

Partial Subdivision of Township 8 North Range 14 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, 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, 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.19,20, 29 and 30, with brass cap, marked,

T 8 N R.14 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, 2nd rate.

Scattering palo verde and mesquite.

Undergrowth, greasewood brush, 6 to 8 ft. high.

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

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

80.12 Intersect N.and S. line, 2 lks.N. of the cor.of secs.20, 21, 28 and 29.

Thence I run,

N.89° 59' W., on a true line, bet. secs. 20 and 29.

Over level land.

6.30 Cunningham Wash, 80 lks.wide, 4 ft.banks, course S.20°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 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.

80.12 Cor.of secs.19,20,29 and 30.

Land,level.

Soil, sandy, 2nd rate.

No timber.

Undergrowth, greasewood brush, 6 to 8 ft.high.

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

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

75.43 Intersect W. 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°59' E., on a true line, bet. secs.19 and 30.

Over level land.

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

22. Partial Subdivision of Township 8 North, Range 14 West.

Chains.

75.43 Cor. of secs. 19, 20, 29 and 30.

Land, level.

Soil, sandy, 2nd rate.

Timber, scattering mesquite and palo verde.

Undergrowth, greasewood brush, 4 to 6 ft. high.

N. 0° 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, $\frac{1}{4}$ 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.

68.45 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. 17, 18, 19 and 20, with brass cap, marked,

T 8 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. $5\frac{1}{2}$ 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, 4 to 8 ft. high.

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

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

80.09 Intersect the cor. of secs. 16, 17, 20 and 21.

Thence I run,

West, on a true line, bet. secs. 17 and 20.

Over level land.

40.045 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 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.

78.90 Road brs. N. 10° W. and S. 10° E.

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

Land, level.

Soil, sandy, 3rd rate.

Timber, none.

Undergrowth, greasewood brush; giant cactus.

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

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

75.37 Intersect west 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,

Partial Subdivision of Township 8 North, Range 14 West, 23.

Chains.

N.89° 59'E., on a true line, bet. secs.18 and 19.
 Over level land.
 35.37 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.

47.35 Road, Wenden to Swansea, brs.N.60°W. and S.60°E.
 75.37 Cor.of secs.17,18,19 and 20.
 Land,level.
 Soil, sandy and gravelly, 3rd rate.
 Timber, scattering mesquite and palo verde.
 Undergrowth, greasewood brush, ocotillo, giant cactus, and
 cholla.
 Made no noon observation this day, as I was going between
 points at that time.

June 22, 1914. *W.H. Shown*
 U. S. Surveyor.

W.K.K.
 June 23, 1914: At 8h.a.m., 1.m.t., I set off 23° 27 $\frac{1}{2}$ ' N.
 on the decl.arc; 34°02'N. on the lat.arc; and deter-
 mine 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.
 9.95 Road brs.N.10°W. and S.10°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 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 8 N R 14 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.
 Soil, sandy loam, 2nd rate.
 Timber, none.
 Undergrowth, greasewood brush, ocotillo, and giant cactus.

East, on a random line, bet. secs.8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.15 Intersect N.and S. line, 6 lks.S.of the cor.of secs.8,9,
 16 and 17.
 Thence I run,
 S.89° 57'W., on a true line, bet. secs.8 and 17.
 Over level land.

40.075 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
 S 17 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.

64.00 Dry wash, 10 lks. wide, 2 ft. banks, course south.
76.40 Dry wash, 10 lks. wide, 2 ft. banks, course S. 10° E.
80.15 Cor. of secs. 7, 8, 17 and 18.
Land, level.
Soil, gravelly, 3rd rate.
Timber, palo verde,
Undergrowth, greasewood brush, cholla; giant cactus, ocotillo.

West, on a random line, bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
75.31 Intersect West bdy. of Tp., 7 lks. N. of the cor. of secs. 7, 12, 13 and 18, established by me, as described in Book "A."

Thence I run,
N. $89^{\circ} 57'$ E., on a true line, bet. secs. 7 and 18.

9.81 Road brs. NW. and SE.
32.30 Ascend rocky SW. slope.
33.75 Top of rocky ridge, brs. NW. and SE. Descend.
34.30 Foot of descent; thence over level land.
35.31 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 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.

36.10 Dry wash, 20 lks. wide, 1 ft. banks, course S.
54.20 Dry wash, 10 lks. wide, 1 ft. banks, course S.
60.40 Dry wash, 10 lks. wide, 1 ft. banks, course S.
75.31 Cor. of secs. 7, 8, 17 and 18.
Land, level and rolling.
Soil, gravel and rocky, 3rd and 4th rate.
Timber, palo verde.
Undergrowth, greasewood brush, cholla cactus.
Ocotillo and giant cactus.

N. $0^{\circ} 03'$ W., bet. secs. 7 and 8.
Over level land.

21.00 Dry wash, 50 lks. wide, 2 ft. banks, course S. 10° E.
30.50 Ravine, 75 lks. wide, 8 ft. deep, course 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 7 in W., and
S 8 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.

56.00 Dry wash, 30 lks. wide, 1 ft. banks, course SE.
67.00 Dry wash, 50 lks. wide, 1 ft. banks, course S. 60° E.
78.80 Ravine, 50 lks. wide, 3 ft. deep, course east.
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 8 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 in S. rim;

Partial Subdivision of Township 8 North, Range 14 West. 25.
Chains.

pits impracticable. Build a mound of stone 3 ft. base, 2 1/2 ft. high, W. of cor.

Land, level.

Soil, gravelly, 4th rate.

Timber, palo verde.

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

At this cor., I set off 23° 27 1/2' N. on the decl. arc; and at 12h. 1.8m. p.m., l.m.t., I observe the sun on the meridian; the resulting lat. is 34° 03 1/2' N.

East, on a random line, bet. secs. 5 and 8.

40.00 Set temp. 1/4 sec. cor.

80.11 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 4, 5, 8 and 9.

Thence I run,

S. 89° 57' W., on a true line, bet. secs. 5 and 8.

Over rolling land.

1.60 Dry wash, 100 lks. wide, 2 ft. banks, course SW.

Along south foot of hills.

40.055 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 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 1/2 ft. base, 1 1/2 ft. high, N. of cor.

62.60 Dry wash, 100 lks. wide, 3 ft. banks, course SE.

78.85 Dry wash, 75 lks. wide, 3 ft. banks, course S..

80.11 Cor. of secs. 5, 6, 7 and 8.

Land, rolling.

Soil, gravelly, 3rd rate.

Timber, palo verde.

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

June 23, 1914.

GENERAL DESCRIPTION.

This township is nearly all level, except the NW. cor., which lies in a range of mountains. The southern part of the Tp. is level, and the soil is 2nd rate. The northern part of the Tp. slopes to the S., soil being 3rd & 4th rate. Native bunch grass and greasewood grow throughout the township; scrub palo verde and mesquite grow along the washes.

In sec. 21, near the 1/4 sec. cor. of secs. 20 and 21 is a drilled well, 310 ft. deep, which has 30 or 40 ft. of water in it.

There are no settlers in the township.

M. A. Israel
U. S. Transitman.

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BOOK 2848

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 *part of the subdivision lines of Townships 8 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 & *W. K. Merrill* 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
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.