

2844

4-679

Book "J"

BOOK 2844

SEP 4-1914

-Subdivisions-  
FIELD NOTES

OF THE SURVEY OF

PART OF THE

SURVEY OF

Subdivision lines of  
Township 8 North, Range 10 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.

~~In the name of the U. S. Surveyor General~~, under instructions dated February 16, 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 May 7, 1914.

Survey completed May 12, 1914.

1A

BOOK 2844

Book "J"

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## Partial Subdivision of Township 8 North, Range 10 West. 1.B

Chains.

Survey of the Subdivision lines in this township commenced May 6, 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 "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 instrument, and correct the level and collimation errors; then, to test the solar apparatus, May 6, 1914, at 4h. p.m., l.m.t., I set off  $16^{\circ}29\frac{1}{2}'$  N. on the decl. arc;  $34^{\circ}01'$  N. on the lat. arc; and determine a meridian with the solar. I mark the meridian thus determined by a flag set 10.00 chs. N. of my station, which is in sec. 21, T. 8 N., R. 10 W. Lat.  $34^{\circ}01'00''$  N.; long.  $113^{\circ}18'8''$  W.

May 7, 1914:

At 8h. 30m. a.m., l.m.t., I set off  $16^{\circ}43'$  N. on decl. arc;  $34^{\circ}01'$  N. on the lat. arc, and determine a meridian with the solar at a point near camp. The meridian thus determined coincides with the meridian determined by observations on Polaris at Eastern elongation on the morning of May 7, 1914, by W.H. Thorn, U.S. Surveyor. Therefore, I conclude that the adjustments of the instrument are correct.

May 7, 1914.

May 7, 1914:

At 9h. a.m., l.m.t., I set off  $16^{\circ}43'$  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. 1, 2, 35 and 36, on south bdy. of Tp., established by W.H. Thorn, as described in Book "A."

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

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,

S 35 in W., and

S 36 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.

42.50 Dry wash, 20 lks. wide, 2 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. 25, 26, 35 and 36, with brass cap, marked,

T 8 N R 10 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  $18 \times 18 \times 12$  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 loam, 2nd rate.

No timber.

Undergrowth, greasewood, 5 to 8 ft. high; scattering native grass.

2. Partial Subdivision of Township 8 North, Range 10 West.  
Chains.

- East, on a random line, bet. secs. 25 and 36.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.97 Intersect east bdy. of Tp., 8 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.  $89^{\circ}57'W.$  on a true line, bet. secs. 25 and 36.  
Over level land.  
39.985 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S. 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.  
79.97 Cor. of secs. 25, 26, 35 and 36.  
Land, level.  
Soil, sandy loam, 2nd rate.  
No timber.  
Undergrowth, greasewood brush, 5 to 8 ft. high.  
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.  
62.00 Dry wash, 15 lks. wide,  $1\frac{1}{2}$  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. 23, 24, 25 and 26, with brass cap, marked,  
T 8 N R 10 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 loam, 2nd rate.  
No timber.  
Undergrowth, greasewood, 5 to 8 ft. high; scattering native grass.  
At this cor., I set off  $16^{\circ}45'N.$  on the decl. arc; and at 11h. 56.4m., a.m., l.m.t., I observe the sun on the meridian; the resulting latitude is  $34^{\circ}01'N.$

- East on a random line, bet. secs. 24 and 25.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.95 Intersect east bdy. of Tp., 8 lks. S. of the cor. of secs. 19, 24, 25 and 30, established by W.H. Thorn, as described in Book "A."  
Thence I run,  
S.  $89^{\circ}57'W.$ , on a true line, bet. secs. 24 and 25.  
Over level land.

## Partial Subdivision of Township 8 North, Range 10 West. 3.

Chains.

- 12.25 Old road brs. N.30°W. and S.30°E.  
 13.70 Dry wash, 20 lks.wide, 1 ft.banks, course SE.  
 39.975 Set an iron post 3 ft.long, 1 in.in diam., 26 ins.in the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 24 in N., and  
 $\frac{1}{4}$  S 25 in S.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., E.and W.of cor., 3 ft.dist., and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high, N. of cor.
- 79.95 Cor.of secs.23, 24, 25 and 26.  
 Land, level.  
 Soil, sandy loam, 2nd rate.  
 No timber.  
 Undergrowth, greasewood brush, 5 to 8 ft.high.  
 Scattering native grass.
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- N.0°01'W., bet. secs.23 and 24.  
 Over level land.
- 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 23 in W., and  
 $\frac{1}{4}$  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.
- 72.40 Dry wash, 20 lks.wide, 1 ft.banks, course east.  
 75.30 Dry wash, 25 lks.wide,  $1\frac{1}{2}$  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.13, 14, 23 and 24, with brass cap, marked,  
 $\frac{1}{4}$  S 8 N R 10 W in N.half;  
 $\frac{1}{4}$  S 14 in NW.,  
 $\frac{1}{4}$  S 13 in NE.,  
 $\frac{1}{4}$  S 24 in SE., and  
 $\frac{1}{4}$  S 23 in SW.quadrants;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, W.of cor.  
 Land, level.  
 Soil, sandy, gravel surface, 3rd rate.  
 No timber.  
 Undergrowth, greasewood; native grass.
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- East, on a random line, bet. secs.13 and 24.
- 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
 79.98 Intersect east bdy.of Tp., 8 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°57'W., on a true line, bet. secs.13 and 24.  
 Over level land.
- 39.99 Set an iron post 3 ft.long, 1 in. in diam., 26 ins.in the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 13 in N., and  
 $\frac{1}{4}$  S 24 in S.half;  
 1914 in S.rim; from which,  
 A palo verde, 12 ins. in diam., brs.N.78 $\frac{1}{2}$ °W., 145 lks.dist., marked  $\frac{1}{4}$  S 13 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.
- 64.20 Dry wash, 25 lks.wide, 2 ft.banks, course S.25° E.  
 75.70 Old road brs.N.30°W. and S°30°E.

4. Partial Subdivision of Township 8 North, Range 10 West.

Chains.

- 79.98 Cor. of secs. 13, 14, 23 and 24.  
Land, level.  
Soil, gravelly surface, 3rd rate.  
Timber, ironwood and palo verde.  
Undergrowth, greasewood brush; native grass.  
May 7, 1914.

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- May 8, 1914:  
At 9h.a.m., l.m.t., I set off  $16^{\circ}59\frac{1}{2}'N.$  on decl. arc;  $34^{\circ}02'$  N. on lat. arc, and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24.  
Thence I run,  
 $N.0^{\circ}01'W.$ , bet. secs. 13 and 14.  
Over rough ground.

  - 2.75 Old road, brs.  $N.30^{\circ}W.$  and  $S.30^{\circ}E.$
  - 21.40 Dry wash, 20 lks. wide, 1 ft. banks, course  $S.60^{\circ}E.$
  - 29.25 Dry wash, 25 lks. wide, 1 ft. banks, course SE.
  - 38.75 Dry wash, 25 lks. wide, 1 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,  
 $\frac{1}{4} S 14$  in W., and  
 $S 13$  in E. half;  
1914 in S. rim; from which,  
A palo verde, 8 ins. in diam., brs.  $N.66^{\circ}E.$ , 102 lks dist., marked  $\frac{1}{4} S 13 B T.$   
A palo verde, 6 ins. in diam., brs.  $S.53\frac{1}{2}^{\circ}W.$ , 116 lks. dist., marked  $\frac{1}{4} S 14 B T.$
  - 45.00 Ascend 165 ft. on steep SE. slope to
  - 68.20 Top of ascent; slope higher to SW.  
Thence over steep NW. slope; descend 100 ft. to
  - 80.00 Foot of descent. 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 10 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  $18 \times 18 \times 12$  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, rough and rocky.  
Soil, rocky, 4th rate.  
Timber, palo verde and ironwood.  
Undergrowth, greasewood brush; giant cactus.

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  - East, on a random line, bet. secs. 12 and 13.
  - 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
  - 80.10 Intersect east bdy. of Tp. 10 lks. S. of the cor. of secs. 7, 12, 13 and 18, established by W.H. Thorn, as described in Book "A."  
Thence I run,  
 $S.89^{\circ}56'W.$ , on a true line, bet. secs. 12 and 13.  
Over mountainous land, on steep east slope.  
Ascend 80 ft. to

    - 2.10 Top of ascent brs.  $N.10^{\circ}W.$  and  $S.10^{\circ}E.$
    - 9.00 Descend steep rocky west slope, over boulders.
    - Foot of hill. Thence over rolling and rocky land.
    - 18.00 Dry wash, 50 lks. wide, 6 ft. banks, course south.
    - 28.00 Dry wash, 50 lks. wide, 4 ft. banks, course SE.
    - 32.30 Dry wash, 50 lks. wide, 3 ft. banks, course south.
    - 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,  
 $\frac{1}{4} S 12$  in N., and  
 $S 13$  in S. half;  
1914 in S. rim; from which,

## Partial Subdivision of Township 8 North, Range 10 West. 5.

Chains.

- Anironwood, 10 ins. in diam., brs. S.  $86^{\circ}E.$ , 23 lks. dist., marked  $\frac{1}{4}$  S 13 B T.  
 A palo verde, 14 ins. in diam., brs. N.  $78\frac{3}{4}^{\circ}E.$ , 92 lks. dist., marked  $\frac{1}{4}$  S 12 B T.
- 43.00 Dry wash, 100 lks. wide, 8 ft. banks, course S.  
 48.00 Wagon trail brs. NW. and SE.  
 60.60 Ravine, 100 lks. wide, 10 ft. deep, course SE.  
 68.05 Ravine, 75 lks. wide, 10 ft. deep, course S.  
 71.25 Wagon trail brs. N.  $10^{\circ}W.$  and S.  $10^{\circ}E.$   
 73.20 Dry wash, 40 lks. wide, 2 ft. banks, course SE.  
 80.10 Cor. of secs. 11, 12, 13 and 14.  
 Land, mountainous and rolling.  
 Soil, rocky, 4th rate.  
 Timber, palo verde and ironwood.  
 Undergrowth, greasewood. Giant cactus.
- 
- N.  $0^{\circ}01'W.$ , bet. secs. 11 and 12.  
 Over rolling land.
- 2.10 Wagon trail, brs. E. and W.  
 14.00 Ravine, 100 lks. wide, 20 ft. deep, course SE.  
 29.50 Wagon trail, brs. N. and S.  $10^{\circ}W.$   
 30.00 Dry wash, 100 lks. wide, 5 ft. banks, course SE.  
 32.00 Wagon trail, turns 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 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.
- 49.50 Ravine, 75 lks. wide, 8 ft. deep, course S.  $30^{\circ}E.$   
 55.00 Ravine, 100 lks. wide, 8 ft. deep, course SE.  
 57.80 Old road, brs. N.  $70^{\circ}W.$  and S.  $70^{\circ}E.$   
 59.50 Canyon, 250 lks. wide, 25 ft. deep, course SE.  
 63.00 Ascend steep south slope.  
 64.90 Top of ascent; thence over rolling SW. slope.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., in a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, for cor. of secs. 1, 2, 11 and 12, with brass cap, marked,  
 T 8 N R 10 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;  
 pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, W. of cor.
- Land, rough and broken.  
 Soil, rocky, 4th rate.  
 Timber, ironwood and palo verde.  
 Undergrowth, greasewood brush; giant cactus.  
 At this cor., I set off  $17^{\circ}01\frac{1}{2}'N.$  on the decl. arc; and at 11h. 56.4m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is  $34^{\circ}03\frac{1}{2}'N.$
- 
- East, on a random line, bet. secs. 1 and 12.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.95 Intersect E. bdy. of Tp., 15 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.  $89^{\circ}54'W.$ , on a true line, bet. secs. 1 and 12.
- 8.70 Dry wash, 25 lks. wide, 2 ft. banks, course south.  
 27.45 Ravine, 75 lks. wide, 8 ft. deep, course south.  
 30.00 Ascend 65 ft. over steep SE. slope to

## 6. Partial Subdivision of Township 8 North, Range 10 West.

Chains.

- 35.00 Top of ascent.  
Descend 30 ft. over SW. slope to
- 39.00 Foot of descent; thence over rolling land.
- 39.975 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 1 in N., and  
S 12 in S. half;  
1914 in S. rim;  
pits impracticable. Build a mound of stone, 3 ft. base, 3 ft. high, N. of cor.
- 45.00 Road brs. NE. and SW.
- 54.25 Dry wash, 50 lks. wide, 1 ft. banks, course S. 10° E.
- 61.00 Ravine, 75 lks. wide, 15 ft. deep, course S. 10° E.
- 62.50 Ascend 130 ft. over steep SE. slope to
- 76.00 Top of ascent.  
Descend SW. slope to
- 79.95 Cor. of secs. 1, 2, 11 and 12.  
Land, rough and broken.  
Soil, rocky 4th rate.  
Timber, scattering ironwood and palo verde.  
Undergrowth, greasewood brush. Giant cactus.
- 
- N. 0° 01' W., on a true line, bet. secs. 1 and 2.  
Over rough and broken land.  
Ascend 200 ft. over S. slope, to
- 10.30 Top of ascent.  
Descend 215 ft. over NE. slope to  
Thence over rolling land.
- 24.00
- 28.50 Dry wash, 50 lks. wide, 5 ft. banks, course S. 75° E.
- 38.00 Ravine, 75 lks. wide, 15 ft. banks, course S. 80° 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 2 in W., and  
S 1 in E. half;  
1914 in S. rim;  
pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, W. of cor.
- 45.40 Ravine, 50 lks. wide, 5 ft. deep, course SE.
- 50.50 Ravine, 50 lks. wide, 5 ft. deep, course SE.
- 53.40 Ravine, 75 lks. wide, 15 ft. deep, course SE.
- 65.39 Intersect Second Standard Parallel North, 13.62 chs. W. of the Standard cor. of secs. 35 and 36, T. 9 N., R. 10 W., which is a 3-inch iron post set in a mound of stone 3 ft. base, 2 ft. high, properly marked and witnessed by a mound of stone 3 ft. base, 3 ft. high, N. of cor. At point of intersection, I set an iron post, 3 ft. long, 2 ins. in diam., in a mound of stone 3 ft. base, 2½ ft. high, for closing cor. of secs. 1 and 2, with brass cap, marked,  
C C S of center,  
T 9 N., R 10 W. in N. half;  
S 35 in NW.,  
S 36 in NE.,  
S 1 in SE., and  
S 2 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 and broken by washes and ravines.  
Soil, rocky, 4th rate.  
Timber, scattering scrub palo verde.  
Undergrowth, greasewood, mesquite and catsclaw.  
Giant cactus.

May 8, 1914.

W.K.K.



## Partial Subdivision of Township 8 North, Range 10 West. 7.

Chains.

W.H.T.

May 7, 1914.

At the cor. of secs. 2, 3, 34 and 35 on the South bdy. of Tp. established by me, as described in Book "A." at 10h. a.m., l.m.t., I set off  $16^{\circ}43\frac{1}{2}'$  N. on the decl. arc;  $33^{\circ}59'$  N. on lat. arc, and determine a meridian with the solar.

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

S 35 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.

42.00 Dry wash, 10 lks. wide, 2 ft. banks, course S.  $10^{\circ}$  E.

70.00 Dry wash, 20 lks. wide, 2 ft. banks, course S.  $10^{\circ}$  E.

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 10 W in N. half;

S 27 in NW.,

S 26 in NE.,

S 35 in SE., and

S 34 in SW. quadrants;

1914 in S. rim;

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

Land, level.

Soil, sandy and gravelly, 2nd rate.

No timber.

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

40.00 East, on a random line, bet. secs. 26 and 35.  
Set temp.  $\frac{1}{4}$  sec. cor.

79.95 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 25, 26, 35 and 36.

Thence I run,

S.  $89^{\circ}56'$  W., on a true line, bet. secs. 26 and 35.

Over level land.

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

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

S 35 in S. half;

1914 in S. rim;

dig pits  $18 \times 18 \times 12$  ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

73.90 Dry wash, 15 lks. wide, 2 ft. banks, course S.  $10^{\circ}$  E.

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

Land, level.

Soil, sandy and gravel, 2nd rate.

No timber.

Undergrowth, greasewood and mesquite brush 4 to 8 ft. high.

At this cor., I set off  $16^{\circ}45'$  N. on decl. arc; and at 11h. 56.5m. a.m., l.m.t., observe the sun on the meridian; the resulting lat. is  $34^{\circ}00'$  N.

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

Over level land.

18.00 Dry wash, 10 lks. wide, 2 ft. banks, course S.  $10^{\circ}$  E.

## 8. Partial Subdivision of Township 8 North, Range 10 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 27 in W., and  
 S 26 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. 22, 23, 26 and 27, with brass cap, marked,  
 T 8 N R. 10 W in N. half;  
 S 22 in NW.,  
 S 23 in NE.,  
 S 26 in SE., and  
 S 27 in SW. quadrant;  
 1914 in S. rim.  
 Dig pits 18x18x12 ins., in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
 Land, level.  
 Soil, gravelly, 3rd rate.  
 No timber.  
 Undergrowth, greasewood and mesquite brush, 4 to 6 ft. high.

- East, on a random line, bet. secs. 23 and 26.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.99 Intersect N. and S. line, 8 lks. S. of the cor. of secs. 23, 24, 25 and 26.  
 Thence I run,  
 S.  $89^{\circ} 57'$  W., on a true line, bet. secs. 23 and 26.  
 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 23 in N., and  
 S 26 in S. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 43.10 Dry wash, 20 lks. wide, 2 ft. banks, course S.  $20^{\circ}$  E.  
 52.90 Dry wash, 10 lks. wide, 2 ft. banks, course S.  $20^{\circ}$  E.  
 79.60 Dry wash, 10 lks. wide, 2 ft. banks, course S.  $40^{\circ}$  E.  
 79.99 Cor. of secs. 22, 23, 26 and 27,  
 Land, level.  
 Soil, sandy and gravelly, 3rd rate,  
 No timber.  
 Undergrowth, greasewood and mesquite brush, 4 to 6 ft. high.

- N.  $0^{\circ} 01'$  W., bet. secs. 22 and 23.  
 Over level land.
- 4.00 Dry wash, 10 lks. wide, 2 ft. banks, course S.  $30^{\circ}$  E.  
 23.70 Dry wash, 15 lks. wide, 3 ft. banks, course S.  $40^{\circ}$  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 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,

Partial Subdivision of Township 8 North, Range 10 West, 9.

Chains.

T 8 N R 10 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.

Soil, gravelly, 3rd rate.

Timber, scattering palo verde.

Undergrowth, greasewood and mesquite brush.

Ocotillo and giant cactus.

May 7, 1914.

May 8, 1914:

At 9h. a.m., l.m.t., I set off 16° 59 1/2' N. on the decl. arc; 34° 02' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 14, 15, 22 and 23,

Thence I run,

East, on a random line, bet. secs. 14 and 23.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 13, 14, 23 and 24.

Thence I run,

N. 89° 59' W., on a true line, bet. secs. 14 and 23.

Over level land.

3.60 Dry wash, 10 lks. wide, 2 ft. banks, course S.

20.30 Dry wash, 30 lks. wide, 2 ft. banks, course S.

31.60 Dry wash, 10 lks. wide, 2 ft. banks, course S. 30° 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 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 1/2 ft. base, 1 1/2 ft. high, N. of cor.

62.00 Dry wash, 10 lks. wide, 2 ft. banks, course S. 30° E.

79.35 Dry wash, 15 lks. wide, 3 ft. banks, course S. 45° E.

80.00 Cor. of secs. 14, 15, 22 and 23.

Land, level.

Soil, gravelly, 3rd rate.

Timber, scattering palo verde.

Undergrowth, greasewood brush, ocotillo and giant cactus.

N. 0° 01' W., bet. secs 14 and 15.

Over rolling land.

1.50 Dry wash, 15 lks. wide, 3 ft. banks, course S. 45° E.

18.40 Dry wash, 10 lks. wide, 4 ft. banks, course S. 60° E.

36.70 Dry wash, 15 wide, 4 ft. banks, course S. 70° E.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground (could not set deeper for solid rock), build a mound of stone 3 ft. base, 2 ft. high around post for 1/4 sec. cor., with brass cap, marked,

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

45.00 Ascend steep rough rocky south slope of low hill. Ascend 350 ft. to

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

67.00 Top of hill, brs.NW. and SE.  
Descend N.slope, over rough broken slope to

79.40 Dry wash, 30 lks.wide, 8 ft.banks, course S.70°E.

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 10 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;  
 pits impracticable. Build a mound of stone 4 ft.base, 2½ ft.high, W.of cor.  
 From this corner, U.S.Mineral Monument No.1 bears north 26.35 chs. dist., which is a sawed post 6 ins.square set in mound of stone 5 ft.base, 4 ft.high, marked, U.S.M M on N.face.  
 Land, rolling, on south half. Mountainous on north half. Soil, gravelly and rocky, 3rd and 4th rate. Timber, palo verde, ironwood and catsclaw. Undergrowth, greasewood brush, ocotillo and giant cactus. At this cor., I set off 17°1½' N. on decl.arc; and at 11h. 56.4m.a.m., l.m.t., I observe the sun on the meridian; the resulting lat.is 34° 02½' N.

East, on a random line, bet.secs.11 and 14.

40.00 Set temp.¼ sec.cor.

80.04 Intersect N.and S. line, 6 lks.S.of the cor.of secs.11, 12, 13 and 14.  
 Thence I run,  
 S.89° 57' W., on a true line, bet. secs.11 and 14.  
 Over rolling land.

26.90 Dry wash, 20 lks.wide, 4 ft.banks, course south.

36.20 Old road brs.N.70°E. and S.70°W.

40.02 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 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 3½ ft. base, 1½ ft. high, N. of cor.

49.00 Dry wash, 30 lks.wide, 6 ft.banks, course south.

49.40 Claim corner brs.N.42 lks. Set in a mound of stone post 4ins.square, mound 3 ft.base, 2 ft.high, marked No,11 on N.face.

60.50 Dry wash, 90 lks.wide, 8 ft.banks, course S.50°E.

66.40 Old road brs.N.40°W.and S.40°E.

78.20 Dry wash, 250 lks.wide, 16 ft.banks, course S.50°E.

80.04 Cor.of secs.10,11,14 and 15.  
 Land, rolling.  
 Soil, gravelly and rocky, 4th rate.  
 Timber, palo verde, ironwood and catsclaw.  
 Undergrowth, greasewood brush, ocotillo and giant cactus.  
 May 8, 1914.

May 11, 1914. At 9h. a.m., l.m.t., I set off 17°47½' N. on decl.arc; 34°2½' N. on lat.arc; and determine a meridian with the solar at the cor.of secs.10,11,14 and 15.  
 Thence I run,  
 N.0°01'W., bet. secs.10 and 11.  
 Over mountainous land.

4.20 Dry wash, 250 lks.wide, 16 ft.banks, course S.50°E.

8.60 Old road, brs.N.70°W. and S.70°E.

## Partial Subdivision of Township 8 North, Range 10 West, 11.

## Chains.

- 10.70 Old road brs.N.70°E. and west.  
 15.00 Stone house 30x40 ft.brs.west 20.00 chs.dist.  
 20.00 Old smelter brs.west 20.00 chs.dist.  
 21.80 Dry wash,20 lks.wide,4 ft.banks,course S.20°E.  
 35.00 Foot of hill; ascend steep rough broken SW.slope. This hill is covered with numerous prospect shafts.  
 40.00 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,  
     ½ S 10 in W.,and  
     S 11 in E.half;  
     1914 in S.rim;  
     pits impracticable. Build a mound of stone 4 ft.base, 3 ft.high, west of cor.  
 59.75 Claim post brs.west 40 lks., 4 ins. square,sawed post set in a mound of stone 4 ft.base, 3 ft.high,marked P V on W., and C K V on N.faces, C Q III on E.,III on S.faces.  
 61.54 Top of mountain, 550 ft.high, brs.E.and W. Descend over steep N.slope.  
 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 10 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. Pits impracticable. Build a mound of stone 3 ft.base, 2½ ft. high, west of cor. Land,rough and mountainous.  
 Soil, rocky, 4th rate.  
 Timber, none.  
 Undergrowth, scattering greasewood brush.
- 
- East, on a random line, bet, secs.2 and 11.  
 40.00 Set temp.¼ sec.cor.  
 80.02 Intersect N.and S. line, 8 lks.S.of the cor.of secs.1,2, 11 and 12.  
 Thence I run,  
 S.89°57'W.,on a true line,bet. secs.2 and 11.  
 Over rolling land.  
 18.70 Ravine, 100 lks.wide, 15 ft. deep, course S.40°E.  
 25.00 Miner's cabin brs.S.20.00 chs.dist.  
 30.20 Old road,brs.NW. and S.20°E.  
 30.40 Ravine, 150 lks.wide, 12 ft.deep,course S.30°E.  
 39.55 Road brs.N.20°E. and S.20°W.  
 39.80 Ballard's mining cabin 16x40 ft. brs.N.10.00 chs.dist.  
 40.01 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 ¼ sec.cor., with brasscap,marked,  
     ½ S 2 in N., and  
     S 11 in S.half;  
     1914 in S.rim;  
     pits impracticable. Build a mound of stone 3 ft.base, 2 ft.high, W.of cor.  
 48.65 Ravine, 15 lks.wide, 5 ft.deep, course N.40° E.  
 58.20 Ravine, 10 lks.wide, 5 ft. deep, course N.30° E.  
 72.00 Ravine, 15 lks.wide, 10 ft.deep, course N.40°E.  
 77.00 Ravine, 10 lks.wide, 6 ft. deep, course N.30°E.  
 80.02 Cor.of secs. 2,3,10 and 11.  
 Land, rolling.  
 Soil, gravel and rocky, 4th rate.  
 Timber, palo verde, ironwood, and catsclaw.  
 Undergrowth, greasewood,ocotillo and giant cactus.  
 May 11, 1914.  
 W.H.T.
-

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

W.K.K.

May 9, 1914.

At 9h. a.m., l.m.t., I set off  $17^{\circ}16'N.$  on decl. arc;  $33^{\circ}59'N.$  on lat. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34 on the south bdy. of the 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.

39.25 Dry wash, 15 lks. wide, 1 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 33 in W., and

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.

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 10 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 loam, 2nd rate.

Timber, none.

Undergrowth, greasewood; native grass.

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

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

80.16 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 26, 27, 34 and 35.

Thence I run,

$S.89^{\circ}53'W.$ , on a true line, bet. secs. 27 and 34.

Over level land.

5.35 Dry wash, 30 lks. wide, 2 ft. banks, course  $S.10^{\circ}E.$

13.15 Dry wash, 25 lks. wide,  $1\frac{1}{2}$  ft. banks, course  $S.5^{\circ}W.$

19.10 Dry wash, 15 lks. wide, 1 ft. banks, course south.

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 27 in N., and

S 34 in S. half;

1914 in S. rim;

dig pits  $18 \times 18 \times 12$  ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

80.16 Cor. of secs. 27, 28, 33 and 34.

Land, level.

Soil, sandy loam, 2nd rate.

Timber, none.

Undergrowth, greasewood brush, mesquite and club cactus.

Native grass.

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

Over level land.

14.00 Dry wash, 15 lks. wide, 1 ft. banks, course SW.

17.75 Dry wash, 15 lks. wide, 1 ft. banks, course  $S.5^{\circ}W.$

24.00 Dry wash, 15 lks. wide, 1 ft. banks, course  $S.5^{\circ}E.$

Partial Subdivision of Township 8 North Range 10 West. 13.

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 28 in W., and  $\frac{1}{4}$  S 27 in E. half; 1914 in S. rim, dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

77.90 Dry wash, 15 lks. wide, 1 ft. banks, course S. 10° 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 8 N R 10 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 loam, 2nd rate.  
Timber, none.  
Undergrowth, greasewood and mesquite brush.  
Native grass. Club cactus.

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

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

80.17 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 22, 23, 26 and 27. Thence I run, S. 89° 53' W., on a true line, bet. secs. 22 and 27. Over level land.

15.05 Dry wash, 50 lks. wide, 3 ft. banks, course S. 10° E.

19.15 Dry wash, 20 lks. wide, 1 ft. banks, course south.

34.15 Dry wash, 30 lks. wide, 1 ft. banks, course south.

39.65 Dry wash, 75 lks. wide, 1 ft. banks, course south.

40.085 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.

50.65 Dry wash, 25 lks. wide, 1 ft. banks, course S. 5° W.

58.15 Dry wash, 20 lks. wide, 2 ft. banks, course south.

61.40 Dry wash, 20 lks. wide, 2 ft. banks, course south.

79.05 Dry wash, 15 lks. wide, 1 ft. banks, course S. 10° W.

80.17 Cor. of secs. 21, 22, 27 and 28. Land, level. Soil, sandy and gravel, 3rd rate. No timber. Undergrowth, greasewood brush; native grass. At this cor., I set off 17° 17 $\frac{1}{2}$ ' N. on the decl. arc; and at 11h. 56.3m. a.m., 1.m.t., I observe the sun on the meridian; the resulting lat. is 34° 01' N.

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

13.25 Dry wash, 20 lks. wide, 3 ft. banks, course SW.

19.00 Dry wash, 40 lks. wide, 1 ft. banks, course S. 10° W.

24.30 Dry wash, 40 lks. wide, 1 ft. banks, course SE.

The point for  $\frac{1}{4}$  sec. cor. will fall in wash, where natural

## 14. Partial Subdivision of Township 8 North, Range 10 W.

Chains.

- causes would destroy the 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 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.
- 39.90 Dry wash, 20 lks. wide, 1 ft. banks, course S.  $5^{\circ}$  E.
- 40.00 Point for  $\frac{1}{4}$  sec. cor. falls in above wash.
- 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 10 W in N. half;  
 S 16 in NW.,  
 S 15 in NE.,  
 S 22 in SE., and  
 S 21 in SW. quadrant;  
 1914 in S. rim.  
 Dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.  
 Land, level.  
 Soil, sandy and gravelly, 3rd rate.  
 Timber, palo verde.  
 Undergrowth, greasewood and club cactus. Native grass.
- 
- East, on a random line, bet. secs. 15 and 22.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.14 Intersect N. and S. line, 16 lks. S. of the cor. of secs. 14, 15, 22 and 23.  
 Thence I run,  
 S.  $89^{\circ}53'$  W., on a true line, bet. secs. 15 and 22.  
 Over rolling land.
- 9.15 Ravine, 75 lks. wide, 5 ft. deep, course SE.
- 15.90 Ravine, 75 lks. wide, 5 ft. deep, course SE.
- 40.07 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 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.
- 44.05 Dry wash, 100 lks. wide, 9 ft. banks, course S.  $5^{\circ}$  W.
- 50.65 Dry wash, 20 lks. wide, 2 ft. banks, course S.  $5^{\circ}$  E.
- 59.65 Dry wash, 20 lks. wide, 2 ft. banks, course S.  $5^{\circ}$  E.
- 66.70 Dry wash, 40 lks. wide, 2 ft. banks, course south.
- 68.15 Dry wash, 50 lks. wide, 2 ft. banks, course S.  $5^{\circ}$  E.
- 80.14 Cor. of secs. 15, 16, 21 and 22.  
 Land, rolling.  
 Soil, sandy and gravelly, 3rd rate.  
 Timber, palo verde.  
 Undergrowth, greasewood brush, club cactus.  
 Native grass.
- 
- N.  $0^{\circ}02'$  W., bet. secs. 15 and 16.  
 Over rolling land.
- 5.90 Old road brs. NE. and SW.
- 31.25 Dry wash, 75 lks. wide, 2 ft. banks, course S.  $15^{\circ}$  E.
- 40.00 Set (an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground (could not set deeper for solid rock), build a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high around post, for  $\frac{1}{4}$  sec. cor., with brass cap, marked,



Partial Subdivision of Township 8 North, Range 10 West. 15.

Chains.

$\frac{1}{2}$  S 16 in W., and  
 $\frac{1}{2}$  S 15 in E. half;  
 1914 in S. rim;  
 pits impracticable. Build a mound of stone 3 ft. base,  
 3 ft. high, W. of cor.  
 55.50 Canyon, 230 lks. wide, 15 ft. deep, course SE.  
 73.00 Ravine, 75 lks. wide, 8 ft. deep, course SE.  
 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 10 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, rolling.  
 Soil, south 60 chs., sandy loam and gravel, 3rd rate; north  
 20 chs., rocky, 4th rate.  
 No timber.  
 Undergrowth, greasewood and club cactus.  
 Native grass.  
 North of the cor. of secs. 9, 10, 15 and 16 the land is cut  
 up by ravines and washes. About one mile to the foot  
 of the main range, which is 1500 ft. high. Rough, rocky  
 foothills, 75 to 200 ft. high extend nearly down to  
 this corner.

East, on a random line, bet. secs. 10 and 15.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.20 Intersect N. and S. line, 18 lks. S. of the cor. of secs. 10,  
 11, 14 and 15.  
 Thence I run,  
 S.  $89^{\circ}52'$  W., on a true line, bet. secs. 10 and 15.  
 Over rolling land.  
 5.20 Ravine, 100 lks. wide, 15 ft. deep, course S.  $70^{\circ}$  E.  
 Thence along foot of N. slope of steep rocky hill.  
 34.15 Leave rocky north slope of hill.  
 36.00 Dry wash, 125 lks. wide, 6 ft. banks, course S.  $5^{\circ}$  W.  
 40.10 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the  
 ground (could not set deeper for solid rock) build  
 mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high around post 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;  
 pits impracticable. Build a mound of stone 3 ft. base,  
 3 ft. high, N. of cor.  
 40.80 Old road, brs. N. and S.  
 46.70 Ravine, 150 lks. wide, 30 ft. deep, course S.  $10^{\circ}$  W.  
 49.20 Ravine, 75 lks. wide, 8 ft. deep, course SE.  
 56.20 Ravine, 50 lks. wide, 5 ft. deep, course SE.  
 72.45 Ravine, 150 lks. wide, 30 ft. deep, course south.  
 74.70 Ravine, 150 lks. wide, 30 ft. deep, course SE.  
 80.20 Cor. of secs. 9, 10, 15 and 16.  
 Land, rolling.  
 Soil, rocky, 4th rate.  
 Undergrowth, greasewood and mesquite.  
 Timber, palo verde.

May 9, 1914.  
W.K.K.

W.H.T.  
 May 9, 1914. At 8h. a.m., l.m.t., I set off  $17^{\circ}16'$  N. on decl.  
 arc;  $33^{\circ}59'$  N. on lat. arc, and determine a meridian with

## 16. Partial Subdivision of Township 8 North Range 10 West.

## Chains.

- the solar at the cor. of secs. 4, 5, 32 and 33 on S. bdy. of township established by me, as described in Book "A."
- 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.
- 56.40 Dry wash, 20 lks. wide, 2 ft. banks, course S. 10° E.  
66.05 Dry wash, 20 lks. wide, 2 ft. banks, course S. 5° W.
- 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 10 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, very scattering mesquite.  
Undergrowth, greasewood and mesquite brush, 4 to 8 ft. high.
- 
- East, on a random line, bet. secs. 28 and 33.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.92 Intersect N. and S. line, 11 lks. S. of the cor. of secs. 27, 28, 33 and 34.  
Thence I run,  
S. 89° 55' W., on a true line, bet. secs. 28 and 33.  
Over level land.
- 12.80 Dry wash, 20 lks. wide, 2 ft. banks, course south.  
30.75 Dry wash, 20 lks. wide, 2 ft. banks, course south.  
39.96 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.
- 47.55 Dry wash, 15 lks. wide, 2 ft. banks, course south.  
78.50 Dry wash, 25 lks. wide, 2 ft. banks, course south.  
79.92 Cor. of secs. 28, 29, 32 and 33.  
Land, level.  
Soil, sandy, 2nd rate.  
Timber, scattering mesquite.  
Undergrowth, greasewood and mesquite brush, 4 to 6 ft. high, Club cactus.
- 
- N. 0° 02' W., bet. secs. 28 and 29.  
Over level land.
- 13.20 Dry wash, 25 lks. wide, 2 ft. banks, course S. 20° 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,

Partial Subdivision of Township 8 North Range 10 West. -17-

Chains

$\frac{1}{4}$  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.  
 51.30 Old road brs. N.  $30^{\circ}$  E. and S.  $30^{\circ}$  W.  
 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 10 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, gravel and rock, 3rd rate.  
 Timber, scattering palo verde, and mesquite.  
 Undergrowth, greasewood brush, ocotillo and club cactus.  
 At this cor., I set off  $17^{\circ}17\frac{1}{2}'$  N. on decl. arc; and at  
 11h., 56.3m. a.m., l.m.t., I observe the sun on the  
 meridian; the resulting lat. is  $34^{\circ}01'N$ .

East, on a random line, bet. secs. 21 and 28.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.92 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 21, 22,  
 27 and 28.  
 Thence I run,  
 S.  $89^{\circ}50'$  W., on a true line, bet. secs. 21 and 28.  
 Over level land.  
 6.20 Dry wash, 25 lks. wide, 2 ft. banks, course south.  
 20.60 Dry wash, 20 lks. wide, 2 ft. banks, course south.  
 25.80 Dry wash, 10 lks. wide, 2 ft. banks, course S.  $10^{\circ}$  E.  
 39.96 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
      $\frac{1}{4}$  S 21 in N., and  
     S 28 in S. half;  
     1914 in S. rim;  
 dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of  
 cor.  
 57.60 Dry wash, 15 lks. wide, 2 ft. banks, course south.  
 60.00 Old road, brs. N.  $30^{\circ}$  E. and S.  $30^{\circ}$  W.  
 71.50 Dry wash, 15 lks. wide, 2 ft. banks, course south.  
 77.30 Dry wash, 15 lks. wide, 2 ft. banks, course S.  $10^{\circ}$  E.  
 79.92 Cor. of secs. 20, 21, 28 and 29.  
 Land, level and rolling.  
 Soil, gravelly and rocky, 3rd rate.  
 Timber, very scattering palo verde.  
 Undergrowth, greasewood and mesquite brush.  
 Ocotillo and club cactus.

N.  $0^{\circ}02'$  W., bet. secs. 20 and 21.  
 Over level land.  
 6.80 Dry wash, 15 lks. wide, 2 ft. banks, course S.  $10^{\circ}$  E.  
 20.40 Dry wash, 20 lks. wide, 2 ft. banks, course S.  $30^{\circ}$  E.  
 22.00 Dry wash, 20 lks. wide, 2 ft. banks, course S.  $30^{\circ}$  E.  
 29.00 Ravine, 15 lks. wide, 4 ft. deep, course S.  $40^{\circ}$  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,

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

$\frac{1}{4}$  S 20 in W., and  
S 21 in E. half;  
1914 in S. rim.

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

42.70 Ravine, 15 lks. wide, 4 ft. deep, course S.  $40^{\circ}$  E.

68.70 Ravine, 20 lks. wide, 4 ft. deep, course S.  $30^{\circ}$  E.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 12 ins. in  
the ground (could not set deeper for solid rock);  
build mound of stone 3 ft. base,  $1\frac{1}{2}$  ft. high, around  
post for cor. of secs. 16, 17, 20 and 21, with brass cap,  
marked,

T 8 N R 10 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 on south half; rolling in north half.  
Soil, gravel and rocky, 3rd rate.  
Timber, scattering palo verde, ironwood and mesquite.  
Undergrowth, greasewood and catsclaw brush.  
Ocotillo and giant cactus.

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

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

79.91 Intersect N. and S. line, 18 lks. S. of the cor. of secs. 15,  
16, 21 and 22.

Thence I run,  
S.  $89^{\circ}52'$  W., on a true line, bet. secs. 16 and 21.  
Over rolling land.

3.90 Old road, brs. N.  $45^{\circ}$  E. and S.  $45^{\circ}$  W.

6.20 Ravine, 15 lks. wide, 5 ft. deep, course south.

20.90 Ravine, 20 lks. wide, 3 ft. deep, course S.  $10^{\circ}$  E.

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 16 in N., and  
S 21 in S. half;  
1914 in S. rim.

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

47.60 Ravine, 15 lks. wide, 4 ft. deep, course south.

53.00 Ravine, 15 lks. wide, 4 ft. deep, course south.

58.80 Ravine, 30 lks. wide, 8 ft. deep, course south.

73.20 Ravine 40 lks. wide, 10 ft. deep, course S.  $30^{\circ}$  E.

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

Land, rolling.  
Soil, gravel and rocks, very shallow, 3rd rate.  
Timber, palo verde, ironwood, mesquite and catsclaw.  
Undergrowth, greasewood brush.  
Ocotillo and giant cactus.

May 9, 1914.

*W. H. Show*  
U. S. Surveyor.

## Partial Subdivision of Township 8 North, Range 10 West. 19.

Chains.

W.K.K.

May 11, 1914. At 9h.a.m., l.m.t., I set off  $17^{\circ}47\frac{1}{2}'$  N. on decl. arc;  $33^{\circ}59'$  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 W.H. Thorn, as described in Book "A."

Thence I run,  
N.  $0^{\circ}03'$  W., bet. secs. 31 and 32.

Over level land.

- 7.50 Dry wash, 15 lks. wide, 1 ft. banks, course S.  $2^{\circ}$  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 31 in W., and  
 $\frac{1}{4}$  S 32 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.  
 43.00 Old road, brs. NE. and SW.  
 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 10 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  $18 \times 18 \times 12$  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 loam, 2nd rate.  
 Undergrowth, greasewood and mesquite brush.  
 Native grass.

- 40.00 East, on a random line, bet. secs. 29 and 32.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.98 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 28, 29, 32 and 33.  
 Thence I run,  
 S.  $89^{\circ}54'$  W., on a true line, bet. secs. 29 and 32.  
 Over level land.  
 28.55 Dry wash, 30 lks. wide, 4 ft. banks, course SW.  
 31.45 Dry wash, 40 lks. wide, 4 ft. banks, course S.  $5^{\circ}$  E.  
 38.25 Old road brs. NE. and SW.  
 39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 29 in N., and  
 $\frac{1}{4}$  S 32 in S. half;  
 1914 in S. rim;  
 dig pits  $18 \times 18 \times 12$  ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.  
 41.55 Dry wash, 15 lks. wide, 2 ft. banks, course south.  
 47.45 Dry wash, 50 lks. wide, 3 ft. banks, course south.  
 49.45 Dry wash, 50 lks. wide,  $1\frac{1}{2}$  ft. banks, course SE.  
 75.00 Dry wash, 50 lks. wide,  $1\frac{1}{2}$  ft. banks, course S.  $5^{\circ}$  E.  
 78.25 Dry wash, 12 lks. wide,  $1\frac{1}{2}$  ft. banks, course S.  $5^{\circ}$  E.  
 79.98 Cor. of secs. 29, 30, 31 and 32.  
 Land, level.  
 Soil, gravelly, 3rd rate.  
 No timber.  
 Undergrowth, greasewood and mesquite brush.  
 Native grass.

20. Partial Subdivision of Township 8 North, Range 10 West.  
Chains.

- West, on a random line, bet. secs. 30 and 31.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
76.81 Intersect west bdy. of Tp., 8 lks. N. of the cor. of secs. 25, 30, 31 and 36, established by W.H. Thorn, as described in Book "A."  
Thence I run,  
N.  $89^{\circ}57'E.$ , on a true line, bet. secs. 30 and 31.  
Over level land.  
11.80 Dry wash, 150 lks. wide,  $\frac{1}{2}$  ft. banks, course SW.  
24.80 Ravine, 100 lks. wide, 7 ft. banks, course south.  
34.70 Dry wash, 20 lks. wide, 1 ft. banks, course SW.  
36.81 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.  
46.20 Dry wash, 50 lks. wide, 1 ft. banks, course S.  
63.80 Dry wash, 30 lks. wide, 1 ft. banks, course S.  $5^{\circ}E.$   
70.80 Dry wash, 75 lks. wide, 2 ft. banks, course south.  
76.81 Cor. of secs. 29, 30, 31 and 32.  
Land, level.  
Soil, gravelly, 3rd rate.  
No timber.  
Undergrowth, greasewood and mesquite brush.  
Scattering native grass.  
At this cor., I set off  $17^{\circ}49'$  N. on the decl. arc; and at 11h. 56.2m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is  $34^{\circ}00'N.$
- 
- N.  $0^{\circ}03'$  W., bet. secs. 29 and 30.  
Over level land.  
4.00 Dry wash, 12 lks. wide,  $1\frac{1}{2}$  ft. banks, course S.  $2^{\circ}E.$   
24.00 Dry wash, 40 lks. wide, 1 ft. banks, course S.  $5^{\circ}E.$   
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 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.  
56.30 Dry wash, 100 lks. wide, 1 ft. banks, course S.  $5^{\circ}E.$   
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 10 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;  
pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, W. of cor.  
Land, level.  
Soil, gravelly, 3rd rate.  
Timber, none.  
Undergrowth, greasewood and mesquite brush.  
Scattering native grass.
- 
- East, on a random line, bet. secs. 20 and 29.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.98 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 20,

Partial Subdivision of Township 8 North Range 10 West. 21.

Chains.

21, 28 and 29.  
 Thence I run,  
 S.89°54'W. on a true line, bet. secs. 20 and 29.  
 Over level land.

2.30 Dry wash, 20 lks. wide, 1 ft. banks, course S.10°E.  
 9.00 Dry wash, 50 lks. wide, 2 ft. banks, course S.5°E.  
 33.30 Dry wash, 30 lks. wide, 1½ ft. banks, course SE.  
 39.99 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 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 3½ ft. base, 1½ ft. high, N.  
 of cor.

64.00 Dry wash, 15 lks. wide, 1½ ft. banks, course S.5° E.  
 74.30 Dry wash, 25 lks. wide, 1 ft. banks, course SW.  
 76.75 Dry wash, 25 lks. wide, 1 ft. banks, course SE.  
 79.98 Cor. of secs. 19, 20, 29 and 30.  
 Land, level.  
 Soil, gravelly, 3rd rate.  
 No timber.  
 Undergrowth, greasewood and mesquite brush.

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West, on a random line, bet. secs. 19 and 30.  
 40.00 Set temp. ¼ sec. cor.  
 76.73 Intersect west bdy. of Tp., 3 lks. N. of the cor. of secs. 19,  
 24, 25 and 30, established by W.H. Thorn, as described  
 in Book "A."  
 Thence I run,  
 N.89°59'E., on a true line, bet. secs. 19 and 30.  
 Over level land.

11.70 Dry wash, 100 lks. wide, 5 ft. banks, course SE.  
 26.50 Dry wash, 50 lks. wide, 1 ft. banks, course SE.  
 36.73 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 19 in N., and  
 S 30 in S. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist.,  
 and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of  
 cor.

39.00 Dry wash, 50 lks. wide, 1 ft. banks, course south.  
 55.75 Dry wash, 30 lks. wide, 2 ft. banks, course south.  
 63.85 Dry wash, 15 lks. wide, 1 ft. banks, course south.  
 71.15 Dry wash, 75 lks. wide, 1 ft. banks, course S.5°E.  
 76.73 Cor. of secs. 19, 20, 29 and 30.  
 Land, level.  
 Soil, sandy and rocky, 3rd and 4th rate.  
 Timber, palo verde, scattering.  
 Undergrowth, greasewood.

May 11, 1914.

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May 12, 1914:  
 At 9h. a.m., l.m.t., I set off 18° 03' N. on decl. arc; 34° 01'  
 N. on the lat. arc; and determine a meridian with the  
 solar at the cor. of secs. 19, 20, 29 and 30.  
 Thence I run,  
 N.0°03'W., bet. secs. 19 and 20.  
 Over rolling land.

26.25 Dry wash, 75 lks. wide, 1 ft. banks, course S.5°W.  
 35.00 Dry wash, 30 lks. wide, 1 ft. banks, course SE.  
 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 19 in W., and  
 S 20 in E. half;  
 1914 in S. rim.

22. Partial Subdivision of Township 8 North, Range 10 West.  
Chains.

- 55.50 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. Dry wash in canyon, 125 lks. wide, 10 ft. banks, course S.  $5^{\circ}$  E.; ascend.
- 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 10 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; from which,  
A palo verde, 6 ins. in diam., brs. N.  $34^{\circ}40'$  E., 165 lks. dist., marked T 8 N R 10 W S 17 BT.  
A palo verde, 8 ins. in diam., brs. S.  $78\frac{1}{2}^{\circ}$  E., 172 lks. dist., marked T 8 N R 10 W S 20 BT.  
A palo verde, 6 ins. in diam., brs. S.  $39\frac{1}{2}^{\circ}$  W., 142 lks. dist., marked T 8 N R 10 W S 19 BT.  
A palo verde, 8 ins. in diam., brs. N.  $73^{\circ}40'$  W., 135 lks. dist., marked T 8 N R 10 W S 18 BT.
- Land, rolling.  
Soil, rocky, 4th rate.  
Timber, palo verde and mesquite.  
Undergrowth, greasewood.  
Giant cactus.

- 40.00 East, on a random line, bet. secs. 17 and 20. Set temp.  $\frac{1}{4}$  sec. cor.
- 80.09 Intersect N. and S. line, 20 lks. S. of the cor. of secs. 16, 17, 20 and 21.  
Thence I run,  
S.  $89^{\circ}51'$  W., on a true line, bet. secs. 17 and 20.  
Over rolling land.
- 8.10 Ravine, 100 lks. wide, 10 ft. banks, course S.  $10^{\circ}$  E.
- 26.10 Canyon, 200 lks. wide, 25 ft. deep, course S.  $5^{\circ}$  E.
- 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.
- 53.05 Canyon, 125 lks. wide, 20 ft. deep, course S.  $5^{\circ}$  E.
- 65.10 Ravine, 75 lks. wide, 10 ft. deep, course SE.
- 69.60 Ravine, 100 lks. wide, 10 ft. deep, course south.
- 77.10 Ravine, 75 lks. wide, 5 ft. deep, course south.
- 80.09 Cor. of secs. 17, 18, 19 and 20.  
Land, rolling.  
Soil, rocky, 4th rate.  
Timber, palo verde, and mesquite.  
Undergrowth, greasewood; giant cactus.  
At this cor., I set off  $18^{\circ}04\frac{1}{2}'$  N. on decl. arc, and at 11h. 56.2m. a.m., l.m.t., observe the sun on the meridian; the resulting lat. is  $34^{\circ}02'$  N.

- 40.00 West, on a random line, bet. secs. 18 and 19. Set temp.  $\frac{1}{4}$  sec. cor.
- 76.79 Intersect W. bdy. of Tp., 11 lks. N. of the cor. of secs. 13, 18, 19 and 24, established by W.H. Thorn, as described in Book "A."  
Thence I run,  
N.  $89^{\circ}55'$  E., on a true line, bet. secs. 18 and 19.  
Over rolling land.
- 15.80 Dry wash, 50 lks. wide, 2 ft. banks, course SE.
- 19.40 Dry wash, 75 lks. wide, 1 ft. banks, course south.



Chains.

- 26.60 Dry wash, 30 lks.wide, 1 ft.banks, course south.
- 30.30 Dry wash, 50 lks.wide, 2 ft.banks, course S.5° E.
- 36.79 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  
 $\frac{1}{4}$  S 19 in S.half;  
1914 in S.rim; pits impracticable. Build a mound of stone 3 ft.base, 3 ft.high, N.of cor.
- 52.40 Ravine, 50 lks.wide, 5 ft.deep, course S.10°E.
- 68.40 Canyon, 125 lks.wide, 30 ft.deep, course SE.
- 71.70 Ravine, 100 lks.wide, 25 ft.deep, course south.
- 73.80 Ravine, 100 lks.wide, 25 ft.deep, course S.5° W.
- 76.79 Cor.of secs.17,18,19 and 20.

Land, rolling.  
Soil, rocky, 4th rate.  
Timber, palo verde and ironwood.  
Undergrowth, greasewood. Giant cactus.

May 12, 1914.  
W. K.K.

GENERAL DESCRIPTION.

The only part of this township which is of any value for agricultural or grazing is the SE. $\frac{1}{4}$ .  
Native bunch grass grows along the washes in the SW. $\frac{1}{4}$ .  
These washes are so numerous and deep that the land through which they run is so stony and rough as to be valueless, agriculturally.  
The northern part of the township is all mountainous, broken and rough. Good copper prospects have been uncovered in this part.  
The level part of the township is covered with high greasewood brush and scattering scrub timber. There are no settlers in the township.

*W. K. K.*  
U. S. Transitman.

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BOOK 284A

FOR FINAL OATH OF UNITED STATES SURVEYOR & TRANSITMAN.

See Book "D"

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

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

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

SEAL

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 10 West of the Gila and Salt River Base Meridian in the State of Arizona*

executed by *W. H. Thorn U. S. Surveyor & W. H. Kierulff U. S. Transitman* under ~~his~~ *their* 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 P. Ingalls*  
U. S. Surveyor General.  
OF ARIZONA.

I certify that the foregoing transcript of the field notes of the above described surveys in \_\_\_\_\_ has been correctly copied from the original notes on file in this office.