

2846

4-679

BOOK 2846

SEP 4 - 1914

Book "L"

BOOK 2846

- Subdivisions -

# FIELD NOTES

OF THE SURVEY OF ~~THE~~  
PART OF THE

SUBDIVISION OF TOWNSHIP 6 NORTH - RANGE 13 WEST

*Subdivision lines of  
Township 6 North - Range 13 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 company of U. S. Surveyors~~, 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.

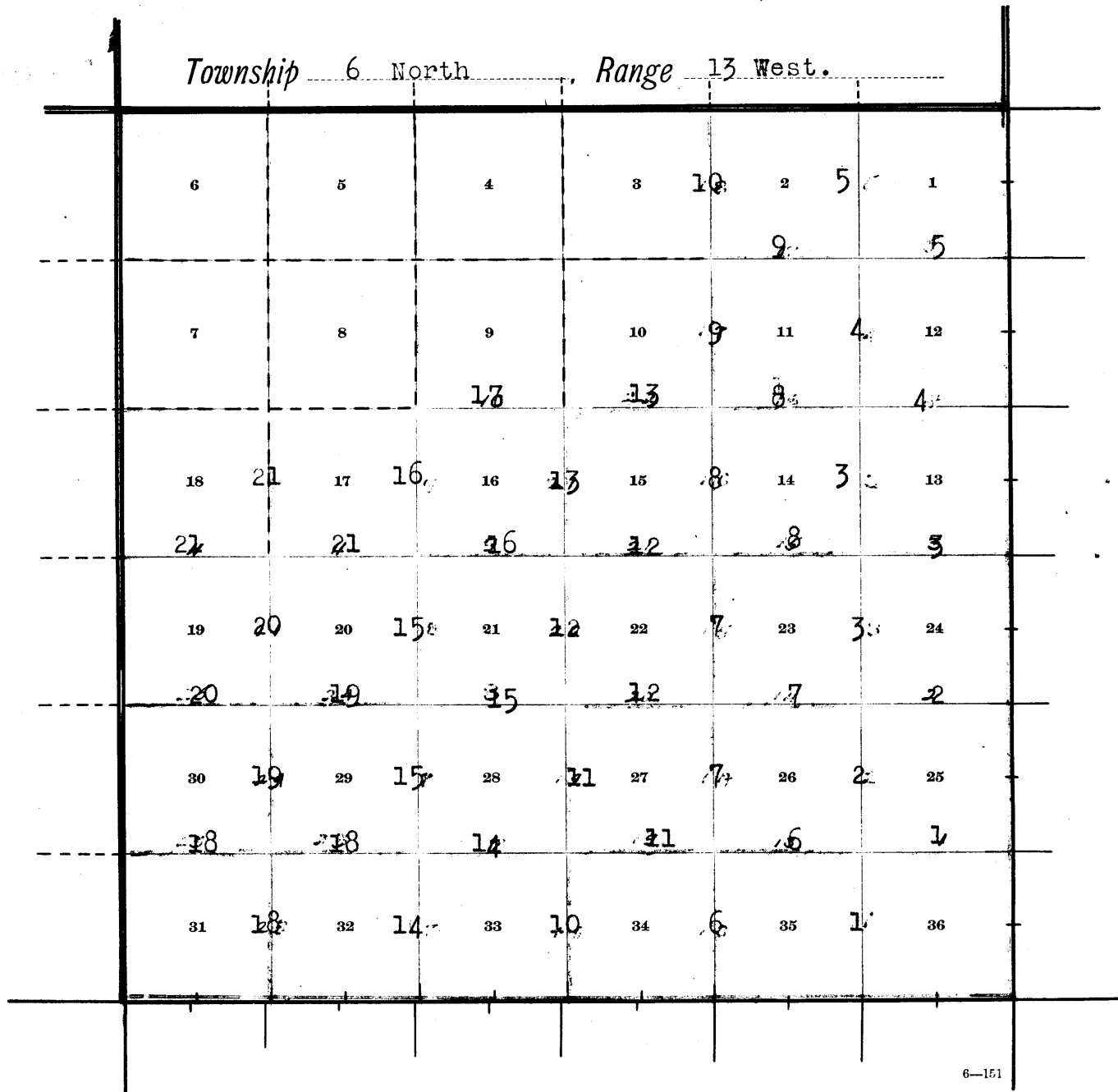
Survey commenced May 25, 1914.

Survey completed June 2, 1914.

BOOK 2846  
Book "L"

# INDEX DIAGRAM.

Township 6 North, Range 13 West.



6-151

- Notes in book "A"      There,
- Notes in book "B"      Here,
- Accepted surveys.      Eliminated,
- - - - - Unsurveyed lines.

Partial Subdivision of Township 6 North, Range 13 West.

1B

Chains.

Survey of the Subdivision lines in this township commenced May 26, 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.

The instrument was examined and tested on a meridian determined by observation on Polaris, May 22 and 23, as described in Book "A" in the notes of the survey of the survey of the West bdy. of T. 6 N., R. 13 W., and found to be correct.

At the original cor. of secs. 1, 2, 35 and 36 on S. bdy. of Tp., which is a stone, properly marked and witnessed; lat. 33° 48' 40" N.; long. 113° 34' 47" W.

At 8h. a.m., l.m.t., I set off 21° 04' N. on the decl. arc; 33° 48 1/2' N. on lat. arc; and determine a meridian with the solar.

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

30.75 Dry wash, 25 lks. wide, 2 ft. banks, course SE.  
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 corner.

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 6 N, R 13 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 loam, 2nd rate. Undergrowth, greasewood brush.

East, on a random line, bet. secs. 25 and 36.

40.00 Set temp. 1/4 sec. cor.  
80.16 Intersect east bdy. of Tp., 10 lks. S. of the original cor. of secs. 25, 30, 31 and 36, which is a stone properly marked and witnessed.

Thence I run, S. 89° 56' W. on a true line, bet. secs. 25 and 36. Over level land.

40.08 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 25 in N., and S 36 in S. half; 1914 in S. rim;

Partial

2. . . . Subdivision of Township 6 North, Range 13 West.

Chains.

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

48.65 Dry wash, 50 lks. wide, 1 1/2 ft. banks, course SE.

79.00 Dry wash, 40 lks. wide, 2 ft. banks, course SE.

80.16 Cor. of secs. 25, 26, 35 and 36.

Land, level.

Soil, sandy loam, 2nd rate.

No timber.

Undergrowth, greasewood brush.

At this cor., I set off 21° 05 1/2' N. on the decl. arc; and at 11h. 56.7m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is 33° 49 1/2' N.

N. 0° 01' W., bet. secs. 25 and 26.

Over level land.

.75 Dry wash, 40 lks. wide, 2 ft. banks, course SE.

2.00 Dry wash, 40 lks. wide, 1 ft. banks, course S. 50° E.

33.50 Dry wash, 15 lks. wide, 2 ft. banks, course SE.

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

61.00 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 6 N, R 13 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 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, sandy, 2nd rate.

No timber.

Undergrowth, greasewood brush.

East, on a random line, bet. secs. 24 and 25.

40.00 Set temp. 1/4 sec. cor.

80.30 Intersect east bdy. of Tp. 25 lks. S. of the original cor. of secs. 19, 24, 25 and 30, which is a stone correctly marked and witnessed.

Thence I run,

S. 89° 49' W., on a true line, bet. secs. 24 and 25.

Over level land.

8.30 Road brs. NW. and SE.

40.15 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 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 1/2 ft. base, 1 1/2 ft. high, N. of cor.

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

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

Land, level.

Soil, sandy, 2nd rate.

Undergrowth, greasewood brush.

May 26, 1914.

Partial Subdivision of Township 6 North Range 13 West. 3.

Chains.

May 28, 1914:

At 9h. a.m., l.m.t., I set off  $21^{\circ}24\frac{1}{2}'$  N. on the decl. arc;  $33^{\circ}50\frac{1}{2}'$  N. on lat. arc, and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26.

Thence I run, N.  $0^{\circ}01'$  W., bet. secs. 23 and 24.

Over level land.

25.75 Road brs. NW. and SE.

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

56.00 Dry wash, 10 lks. wide, 1 ft. banks, course SE.

64.20 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. 13, 14, 23 and 24, with brass cap, marked,

T 6 N, R 13 W in N. half;  
S 14 in NW.,  
S 13 in NE.,  
S 24 in SE., and  
S 23 in SW. quadrants;  
1914 in S. rim;

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

Land, level.

Soil, sandy loam, 2nd rate.

Undergrowth, greasewood brush.

No timber.

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

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

80.26 Intersect east bdy. of Tp., 29 lks. S. of the original cor. of secs. 13, 18, 19 and 24, which is a stone, properly marked and witnessed.

Thence I run,

S.  $89^{\circ}48'$  W., on a true line, bet. secs. 13 and 24.

Over level land.

33.55 Road brs. N.  $5^{\circ}$  W. and S.  $5^{\circ}$  E.

34.40 Dry wash, 10 lks. wide, 1 ft. banks, course S.

40.13 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.

80.26 Cor. of secs. 13, 14, 23 and 24.

Land, level.

Soil, sandy, 2nd rate.

No timber.

Undergrowth, greasewood brush.

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N.  $0^{\circ}01'$  W., bet. secs. 13 and 14.

Over level land.

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

$\frac{1}{4}$  S 14 in W., and  
S 13 in E. half;  
1914 in S. rim;

## A. Partial Subdivision of Township 6 North, Range 13 W.

Chains.

- 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 6 N R 13 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.
- 
- East, on a random line, bet. secs. 12 and 13.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.20 Intersect east bdy. of Tp., 23 lks. S. of the original cor. of secs. 7, 12, 13 and 18, which is a stone, properly marked and witnessed.
- Thence I run,  
 S.  $89^{\circ}50'W.$ , on a true line, bet. secs. 12 and 13.  
 Over level land.
- 13.00 Dry wash, 20 lks. wide, 1 ft. banks, course S.  $20^{\circ}E.$
- 36.80 Road brs. N.  $5^{\circ}E.$  and S.  $5^{\circ}E.$
- 40.10 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 12 in N., and  
 S 13 in S. half;  
 1914 in S. rim;
- dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 47.00 Dry wash, 20 lks. wide, 1 ft. banks, course south.
- 76.00 Road brs. N.  $5^{\circ}W.$  and S.  $5^{\circ}E.$
- 80p20 Cor. of secs. 11, 12, 13 and 14.  
 Land, level.  
 Soil, sandy, 2nd rate.  
 No timber.  
 Undergrowth, greasewood brush.  
 At this cor., I set off  $21^{\circ}25\frac{1}{2}'N.$  on decl. arc; and at 11h. 57m., a.m., 1.m.t., I observe the sun on the mer.; the resulting lat. is  $33^{\circ}52'N.$
- 
- N.  $0^{\circ}01'W.$ , bet. secs. 11 and 12.  
 Over level land.
- 6.50 Road brs. NW. and SE.
- 28.00 Dry wash, 15 lks. wide, 2 ft. banks, 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 11 in W., and  
 S 12 in E. half;  
 1914 in S. rim;
- dig pits 18x18x12 ins., N. and S. of cor, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.
- 72.50 Dry wash, 30 lks. wide, 1 ft. banks, course S.  $60^{\circ}E.$
- 77.20 Road brs. N.  $5^{\circ}W.$  and 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. 1, 2, 11 and 12, with brass cap, marked,

Partial Subdivision of Township 6 North, Range 13 West. 5.

Chains.

T 6 N R 13 W in N.half;  
S 2 in NW.,  
S 1 in NE.,  
S 12 in SE., and  
S 12 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 to 60.00 chs., 2nd rate, sandy loam. Thence gravelly,  
3rd rate.  
Timber, palo verde.  
Undergrowth, greasewood brush, ocotillo.

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

40.00 Set temp. 1/4 sec. cor.

80.14 Intersect east bdy. of Tp., 23 lks. S. of the  
original cor. of secs. 1, 6, 7 and 12, which is a stone  
properly marked and witnessed. Thence I run,  
S. 89° 50' W., on a true line, bet. secs. 1 and 12.  
Over level land.

24.40 Road brs. NE and SW.

40.07 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the  
ground for 1/4 sec. cor., with brass cap, marked,  
1/4 S 1 in N., and  
S 12 in S. half;  
1914 in S. rim;

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

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

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

Land, level.  
Soil, gravelly, 3rd rate.  
Timber, palo verde.  
Undergrowth, greasewood brush, ocotillo.

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

40.00 Set temp. 1/4 sec. cor.

80.34 Intersect N. bdy. of Tp., 5 lks. W. of the cor. of secs. 1, 2, 35  
and 36, established by W. H. Thorn, as described in  
Book "A."

Thence I run,  
S. 0° 01' W., on a true line, bet. secs. 1 and 2.  
Over level land.

3.00 Dry wash, 50 lks. wide, 1 ft. banks, course SE.

40.34 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for 1/4 sec. cor., with brass cap, marked,  
1/4 S 2 in W., and  
S 1 in E. half;  
1914 in S. rim; from which,

A palo verde, 7 ins. in diam., brs. N. 34° 45' E.,  
165 lks. dist., marked, 1/4 S 1 B T.

A palo verde, 8 ins. in diam., brs. S. 46° 05' W.,  
218 lks. dist., marked 1/4 S 2 B T.

47.15 Dry wash, 15 lks. wide, 2 ft. banks, course S. 20° E.

56.20 Dry wash, 15 lks. wide, 2 ft. banks, course S. 20° E.

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

Land, level.  
Soil, gravelly, 3rd rate.  
Timber, palo verde.  
Undergrowth, greasewood brush.

May 28, 1914.  
W. K. K.

## 6. Partial Subdivision of Township 6 North Range 13 West.

Chains.

W.H.T.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, which was established by W. K. Kierulff, U. S. Transitman, at lower culmination in accordance with the Manual of Instructions. The solar apparatus proved satisfactory.

May 26, 1914:

At 9h. a.m., l.m.t., I set off  $21^{\circ} 04\frac{1}{2}' N.$  on the decl. arc;  $33^{\circ} 48\frac{1}{2}' N.$  on lat. arc, and determine a meridian with the solar at the original cor. of secs. 2, 3, 34 and 35, on the south bdy. of the Tp. which is a granite stone, firmly set and properly marked and witnessed.

Thence I run,

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

Over level land, through greasewood brush.

28.00 Dry wash, 10 lks. wide, 1 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 34 in W., and  
 $\frac{1}{4}$  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.

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 6 N R 13 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, 2nd rate.

Timber, scattering mesquite.

Undergrowth, greasewood brush, 4 to 5 ft. high.

Club cactus.

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

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

80.25 Intersect N. and S. line, 6 lks. S. of the cor. of secs. 25, 26, 35 and 36.

Thence I run,

S.  $89^{\circ} 57' W.$ , on a true line, bet. secs. 26 and 35.

Over level land.

29.30 Old road, brs. N.  $40^{\circ} W.$  and S.  $40^{\circ} E.$ 

40.125 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.

57.85 Dry wash, 10 lks. wide, 1 ft. banks, course S.  $50^{\circ} E.$ 

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

Land, level.

Soil, sandy, 2nd rate.

No timber. Undergrowth, greasewood brush.

Club cactus.



Partial Subdivision of Township 6 North Range 13 West. 7.

Chains.

N.0°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 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.  
 At this cor., I set off  $21^{\circ}05\frac{1}{2}'$ N.on the decl.arc; and at 11h.56.7m.a.m., l.m.t., I observe the sun on the meridian; the resulting lat.is  $33^{\circ}50'$ N.  
 47.00 Dry wash, 12 lks.wide, 1 ft.banks, course S.40°E.  
 47.80 Road brs.NW and SE.  
 59.00 Dry wash, 10 lks.wide, 1 ft.banks, course S.30°E.  
 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 6 N R 13 W in N.half; S 22 in NW., S 23 in NE., S 26 in SE., and S 27 in SW.quadrants; 1914 in S.rim; dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high, W.of cor.  
 Land, level.  
 Soil, sand, 2nd rate.  
 Timber, scattering mesquite.  
 Undergrowth, greasewood brush, 4 to 6 ft.high.

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 East, on a random line, bet.secs.23 and 26.  
 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
 80.27 Intersect N.and S. line, 6 lks.S.of the cor.of secs.23, 24, 25 and 26. Thence I run, S.89°57'W., on a true line, bet. secs.23 and 26. Over level land.  
 10.00 Dry wash, 10 lks.wide, 1 ft.banks, course S.30°E.  
 16.45 Dry wash, 15 lks.wide, 1 ft.banks, course S.30°E.  
 31.25 Road brs.S.60°E.and NW.  
 40.135 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.  
 65.05 Dry wash, 10 lks.wide, 1 ft.banks, course S.40°E.  
 80.27 Cor.of secs.22, 23, 26 and 27.  
 Land, level. Soil, sandy, 3rd rate. Timber, scattering mesquite. Undergrowth, greasewood brush, 5 to 6 ft.high.  
 May 26, 1914.

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 May 28, 1914. At 7h. 50m. a.m., l.m.t., I set off  $21^{\circ}24\frac{1}{2}'$  N.on the decl.arc;  $33^{\circ}50\frac{1}{2}'$ N.on the lat.arc; and determine a meridian with the solar at the cor.of secs.22, 23, 26 and 27. Thence I run, N.0°01' W., bet. secs.22 and 23. Over level land.  
 23.90 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  $\frac{1}{4}$  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, west of cor.  
 69.80 Dry wash, 10 lks.wide, 2 ft.banks, course S.30°E.  
 76.85 Dry wash, 20 lks.wide, 2 ft.banks, course S.40°E.  
 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 6 N R 13 W in N.half; S 15 in NW., S 14 in NE., S 23 in SE., and S 22 in SW.quadrants;

8. Partial Subdivision of Township 6 North, Range 13 West.

Chains.

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 and gravelly, 3rd rate.

Timber, scattering mesquite.

Undergrowth, greasewood brush, 4 to 5 ft. high.

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

40.00 Set temp. 1/4 sec. cor.

80.28 Intersect N. and S. line, 4 lks. S. of the cor. of secs. 13, 14, 23 and 24. Thence I run, S. 89° 58' W., on a true line, bet, secs. 14 and 23.

Over level land.

26.55 Road brs. N. 50° W. and S. 50° E.

30.75 Dry wash, 30 lks. wide, 2 ft. banks, course S. 20° E.

40.14 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.

47.45 Road brs. N. 45° W. and S. 45° E.

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

70.10 Road brs. N. 50° W and S. 40° E.

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

Land, level. Soil, sandy, 3rd rate.

Timber, scattering mesquite.

Undergrowth, greasewood brush, 4 to 5 ft. high.

-----  
N. 0° 01' W., bet. secs. 14 and 15. Over level land.

6.30 Road brs. N. 50° W. and S. 50° E.

9.80 Dry wash, 10 lks. wide, 1 ft. banks, course S. 60° E.

17.80 Dry wash, 20 lks. wide, 2 ft. banks, course SE.

31.50 Road, brs. N. 70° W. and S. 60° E.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with brass cap, marked, 1/4 S 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.

57.60 Road brs. N. 45° W. and S 40° E.

65.00 Ravine, 80 lks. wide, 10 ft. deep, 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 6 N R 13 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 3 ft. base, 2 ft. high, W. of cor.

Land, south half; level. North half, rolling.

Soil, gravelly, 3rd rate.

Timber, scattering palo verde and mesquite.

Undergrowth, greasewood brush, ocotillo and giant cactus.

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

40.00 Set temp. 1/4 sec. cor.

80.27 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 11, 12, 13 and 14. Thence I run, N. 89° 58' W. on a true line, bet. secs. 11 and 14.

Over rolling land.

40.135 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,

Partial Subdivision of Township North Range 13 West. 9.

Chains.

Set an iron post  $\frac{1}{2}$  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.

54.45 Old road brs. N.  $10^{\circ}$  W. and S.  $20^{\circ}$  E.  
 55.65 Ravine, 100 lks. wide, 6 ft. deep, course south.  
 62.75 Ravine, 100 lks. wide, 6 ft. deep, course S.  $30^{\circ}$  E.  
 80.27 Cor. of secs. 10, 11, 14 and 15.  
 Land, east 70 chs., level. west, 10.00 chs. rolling.  
 Soil, gravelly and sandy, 3rd and 4th rate.  
 Timber, scattering palo verde and mesquite.  
 Undergrowth, greasewood, ocotillo, giant cactus.

N.  $0^{\circ} 01'$  W., bet. secs. 10 and 11.  
 Over rolling land.

13.40 Ravine, 100 lks. wide, 10 ft. deep, course S.  $70^{\circ}$  E.  
 33.80 Ravine, 100 lks. wide, 6 ft. deep, course S.  $40^{\circ}$  E.  
 40.00 Set an iron post  $\frac{3}{4}$  ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 10 in W., and  
 S 11 in E. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 At this cor. I set off  $21^{\circ} 25\frac{1}{2}'$  N. on the decl. arc, and at 11h. 57m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is  $33^{\circ} 52\frac{1}{2}'$  N.

49.80 Dry wash, 30 lks. wide, 4 ft. banks, course S.  $30^{\circ}$  E.  
 60.00 Road brs. E. and W.  
 77.80 Dry wash, 20 lks. wide, 4 ft. deep, course S.  $40^{\circ}$  E.  
 80.00 Set an iron post  $\frac{3}{4}$  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 6 N R 13 W in N. half;  
 S 3 in NW.,  
 S 2 in NE.,  
 S 11 in SE., and  
 S 10 in SW. quadrants;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
 Land, rolling.  
 Soil, gravelly, covered with loose rocks, 4th rate.  
 Timber, scattering palo verde.  
 Undergrowth, greasewood brush, ocotillo and giant cactus.

East, on a random line, bet. secs. 2 and 11.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.27 Intersect N. and S. line, 15 lks. N. of the cor. of secs. 1, 2, 11 and 12.  
 Thence I run,  
 N.  $89^{\circ} 54'$  W., on a true line, bet. secs. 2 and 11.  
 Over rolling land.

2.85 Dry wash, 20 lks. wide, 2 ft. banks, course S.  $10^{\circ}$  E.  
 3.45 Road brs. N.  $45^{\circ}$  W. and S.  $45^{\circ}$  E.  
 14.75 Dry wash, 20 lks. wide, 3 ft. banks, course south.  
 40.135 Set an iron post  $\frac{3}{4}$  ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 2 in N., and  
 S 11 in S. half;  
 1914 in S. rim.

## 10. Partial Subdivision of Township 6 North, Range 13 W.

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.
- 43.15 Dry wash, 20 lks. wide, 3 ft. banks, course S.10° E.  
 49.85 Dry wash, 40 lks. wide, 4 ft. banks, course south.  
 54.05 Dry wash, 20 lks. wide, 3 ft. banks, course S.20° E.  
 67.25 Road brs. N.10° W. and S.10° E.  
 71.15 Dry wash, 10 lks. wide, 2 ft. banks, course S.10° E.  
 80.27 Cor. of secs. 2, 3, 10 and 11.  
 Land, rolling.  
 Soil, gravelly, surface covered with stone, 4th rate.  
 Timber, scattering palo verde.  
 Undergrowth, greasewood brush, ocotillo and giant cactus.
- 
- N.0°01'W. on a random line, bet. secs. 2 and 3.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.44 Intersect N. bdy. of Tp., 29 lks. W. of the cor. of secs. 2, 3, 34 and 35, established by me, as described in Book "A."  
 Thence I run,  
 S.0°12'W., on a true line, bet. secs. 2 and 3.  
 Over rolling land.  
 6.90 Ravine, 100 lks. wide, 16 ft. deep, course S.50° E.  
 7.60 Ravine, 120 lks. wide, 16 ft. deep, course S.50° E.  
 21.50 Top of low spur of mountain brs. N.80° W., and E.  
 39.50 Miner's cabin brs. W., 8 chs. dist.  
 40.44 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 earth and stone 3 ft. base,  $1\frac{1}{2}$  ft. high around post for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 3 in W., and  
 S 2 in E. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 45.15 Ravine, 30 lks. wide, 6 ft. banks, course S.30° E.  
 53.70 Road brs. N.30° W. and S.30° E.  
 65.35 Dry wash, 10 lks. wide, 1 ft. banks, course S.10° E.  
 80.44 Cor. of secs. 2, 3, 10 and 11.  
 Land, rolling.  
 Soil, gravelly, 4th rate.  
 Timber, palo verde.  
 Undergrowth, greasewood brush, ocotillo and giant cactus.  
 May 28, 1914.

May 29, 1914.

At 8h. a.m., l.m.t., I set off 21°34 $\frac{1}{2}$ ' N. on the decl. arc; 33°48 $\frac{1}{2}$ ' N. on lat. arc; and determine a meridian with the solar at the cor. of secs. 33 and 34, on the south bdy. of the Tp., reestablished by W.K. Kierulff, as described in Book "B."

Thence I run,

N.0°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. half;  
 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, west of cor.  
 74.40 Dry wash, 15 lks. wide, 2 ft. banks, course S.30° E.

Partial Subdivision of Township 6 North Range 13 West. 11.

Chains.

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 6 N R 13 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 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, scattering mesquite.  
 Undergrowth, greasewood brush, ocotillo.

East, on a random line, bet. secs. 27 and 34.  
 40.00 Set temp. 1/4 sec. cor.  
 80.00 Intersect N. and S. line, 19 lks. N. of the cor. of secs. 26, 27, 34 and 35.

Thence 1 run,  
 N. 89° 52' W., on a true line, bet. secs. 27 and 34.  
 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 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 1/2 ft. base, 1 1/2 ft. high, N. of cor.

80.00 Cor. of secs. 27, 28, 33 and 34.  
 Land, level.  
 Soil, sandy loam, 2nd rate.  
 Timber, scattering mesquite.  
 Undergrowth, greasewood brush, 4 to 5 ft. high.

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 1/4 sec. cor., with brass cap, marked,  
 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 1/2 ft. base, 1 1/2 ft. high, W. of cor.

57.55 Dry wash, 15 lks. wide, 2 ft. banks, course S. 60° E.  
 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 6 N R 13 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 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.  
 Timber, very scattering mesquite.  
 Undergrowth, greasewood brush; club cactus.

## 12. Partial Subdivision of Township 6 North, Range 13 W.

Chains.

- East on a random line, bet. secs. 22 and 27.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.09 Intersect N. and S. line, 21 lks. N. of the cor. of secs. 22, 23, 26 and 27.  
 Thence I run,  
 N.  $89^{\circ}51'W.$ , on a true line, bet. secs. 22 and 27.  
 Over level land.  
 10.50 Dry wash, 15 lks. wide, 2 ft. banks, course S.  $30^{\circ}E.$   
 38.55 Road brs. N.  $40^{\circ}W.$  and S.  $40^{\circ}E.$   
 39.05 Dry wash, 20 lks. wide, 2 ft. banks, course S.  $40^{\circ}E.$   
 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 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.  
 55.30 Dry wash, 15 lks. wide, 2 ft. banks, course S.  $40^{\circ}E.$   
 65.20 Dry wash, 40 lks. wide, 2 ft. banks, course S.  $40^{\circ}E.$   
 80.09 Cor. of secs. 21, 22, 27 and 28.  
 Land, level.  
 Soil, sandy and gravelly, 3rd rate.  
 Timber, scattering ironwood.  
 Undergrowth, greasewood brush.

- N.  $0^{\circ}02'W.$ , bet. secs. 21 and 22.  
 Over level land.  
 17.90 Dry wash, 20 lks. wide, 2 ft. banks, course S.  $40^{\circ}E.$   
 21.40 Dry wash, 15 lks. wide, 2 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 21 in W., and  
 $\frac{1}{4}$  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.  
 41.30 Road brs. N.  $40^{\circ}W.$  and S.  $30^{\circ}E.$   
 50.20 Ravine, 120 lks. wide, 12 ft. deep, course S.  $30^{\circ}E.$   
 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 6 N R 13 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, south half, rolling; north half, level.  
 Soil, sandy and gravelly, 3rd rate.  
 Timber, scattering palo verde and mesquite.  
 Undergrowth, greasewood brush, ocotillo and giant cactus.  
 At this cor., I set off  $21^{\circ}35'N.$  on the decl. arc; and at l.h. 57. l.m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is  $33^{\circ}51'N.$

- East, on a random line, bet. secs. 15 and 22.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.18 Intersect N. and S. line, 19 lks. N. of the cor. of secs. 14, 15, 22 and 23.  
 Thence I run,

## Partial Subdivision of Township 6 North Range 13 West. 13.

Chains.

- N.89°52'W., on a true line, bet. secs.15 and 22.  
Over level land.
- 3.15 Dry wash, 20 lks.wide, 2 ft.banks, course S40°E.  
20.15 Road brs.N.80°E. and S.80°W.  
31.00 Dry wash, 15 lks.wide, 1 ft.banks, course S.30°E.  
40.09 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.
- 52.05 Ravine, 100 lks.wide, 10 ft.deep, course S.30°E.  
63.65 Ravine, 100 lks.wide, 10 ft. deep, course S.30° E.  
77.35 Road brs.N.10°W. and S.10°E.  
80.18 Cor.of secs.15,16,21 and 22.  
Land, level to 40.00 chs., thence rolling.  
Soil, gravelly, 3rd and 4th rate.  
Timber, scattering palo verde, ironwood and mesquite.  
Undergrowth, greasewood brush, ocotillo, giant cactus.
- 

- N.0°02'W., bet. secs.15 and 16.  
Over rolling land.
- 4.30 Road brs.N.45°W. and S.30°E.  
7.10 Ravine, 80 lks.wide, 10 ft. deep, course SE.  
34.50 Road brs.E.and W.  
40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 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.
- 53.50 Ravine, 80 lks.wide, 10 ft. deep, course S.40°E.  
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.9,10,15 and 16., with brass cap, marked,  
T 6 N R 13 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;  
pits impracticable. Build a mound of stone 3 ft.base,  
2 ft.high, W.of cor.
- Land, rolling.  
Soil, gravelly, surface covered with rocks, 4th rate.  
Timber, scattering palo verde and ironwood.  
Undergrowth, greasewood brush.  
Ocotillo and giant cactus.
- 

- 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, 19 lks.N.of the cor.of secs.10,11,  
14 and 15.  
Thence I run,  
N.89° 52'W., on a true line, bet. secs.10 and 15.  
Over rolling land.
- 18.60 Road brs.N.60°W. and S.60°E.  
21.30 Ravine, 50 lks.wide, 8 ft.deep, course S.40° E.  
23.40 Ravine, 60 lks.wide, 6 ft.deep, course S.40°E.  
29.80 Ravine, 40 lks.wide, 6 ft.deep, course S.20° E.

## 14. Partial Subdivision of Township 6 North, Range 13 West.

Chains.

- 40.10 Set an iron post 3 ft. long, 1 in. diam., 26 in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 10 in N., and  
 S 15 in S. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 43.60 Ravine, 120 lks. wide, 10 ft. deep, course S. 30° E.  
 59.80 Road brs. N. 60° W. and S. 60° E.  
 63.70 Dry wash, 100 lks. wide, 6 ft. banks, course S. 50° E.  
 80.20 Cor. of secs. 9, 10, 15 and 16.  
 Land, rolling covered with loose stones.  
 Soil, gravelly, 4th rate.  
 Timber, scattering palo verde and ironwood.  
 Undergrowth, greasewood brush, ocotillo and giant cactus.  
 May 29, 1914.  
 W.H.T.

W. K.K.

May 29, 1914: At 10h. a.m., l.m.t., I set off 21° 35 $\frac{1}{2}$ ' N. on decl. arc; 33° 48 $\frac{1}{2}$ ' N. on lat. arc; and determine a meridian with the solar at the cor. of secs. 32 and 33, on the south bdy. of Tp. reestablished by me, as described in Book "B."

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.
- 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 6 N R 13 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.  
 Soil, sandy loam, 2nd rate. Undergrowth, greasewood.

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

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

79.98 Intersect cor. of secs. 27, 28, 33 and 34.

Thence I run,

West, on a true line, bet. secs. 28 and 33.

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 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.
- 55.00 Old road, brs. N. and S.  
 73.75 Dry wash, 25 lks. wide, 2 ft. banks, course S.  
 79.98 Cor. of secs. 28, 29, 32 and 33.



Partial Subdivision of Township 6 North, Range 13 West. 15.

Chains.

Land, level.  
Soil, sandy loam, 2nd rate.  
Timber, none.  
Undergrowth, greasewood.

May 29, 1914.

June 1, 1914: At 8h. a.m., l.m.t., I set off  $33^{\circ}49\frac{1}{2}'$  N. on the lat. arc;  $22^{\circ}00\frac{1}{2}'$  N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 28, 29, 32 and 33.

Thence I run, N.  $0^{\circ}02'$  W., bet. secs. 28 and 29.  
Over level land.

8.00 Dry wash, 15 lks. wide, 2 ft. banks, 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 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.

66.00 Dry wash, 10 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. 20, 21, 28 and 29, with brass cap, marked, T 6 N R 13 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 loam, 2nd rate.  
Timber, scattering mesquite.  
Undergrowth, greasewood and ocotillo, scattering.

East, on a random line, bet. secs. 21 and 28.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.95 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 21, 22, 27 and 28.

Thence I run, S.  $89^{\circ}59'$  W., 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., 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, W. of cor.

44.20 Dry wash, 15 lks. wide, 1 ft. banks, course south.  
54.75 Road brs. N. and S.  
79.95 Cor. of secs. 20, 21, 28 and 29.

Land, level.  
Soil, sandy loam, 2nd rate.  
Undergrowth, scattering greasewood, ocotillo.

N.  $0^{\circ}02'$  W., bet. secs. 20 and 21.  
Over level land.  
26.00 Dry wash, 50 lks. wide, 1 ft. banks, course S.  $20^{\circ}$  E.

## 16. Partial Subdivision of Township 6 North, Range 13 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 20 in W., and  
 S 21 in E. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 51.00 Dry wash, 15 lks. wide, 1 ft. banks, course SE.  
 78.60 Ravine, 75 lks. wide, 5 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 stone) 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 6 N R 13 W in N. half;  
 S 17 in NW.,  
 S 16 in NE.,  
 S 21 in SE., and  
 S 20 in SW. quadrants;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
 Land, level.  
 Soil, sandy loam, gravelly surface, 3rd rate.  
 Timber, scattering mesquite.  
 Undergrowth, greasewood brush, ocotillo and giant cactus.  
 At this cor., I set off  $22^{\circ} 01\frac{1}{2}'$  N. on the decl. arc; and at 11h. 57.5m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is  $33^{\circ} 51' N$ .

- East, on a random line, bet. secs. 16 and 21.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.96 Intersect N. and S. line, 6 lks. S. of the cor. of secs. 15, 16, 21 and 22.  
 Thence I run,  
 S.  $89^{\circ} 57' W$ ., on a true line, bet. secs. 16 and 21.  
 Over slightly rolling land.
- 18.65 Dry wash, 30 lks. wide, 2 ft. banks, course south.  
 22.70 Ravine, 75 lks. wide, 6 ft. deep, course S.  $10^{\circ}$  E.  
 29.45 Dry wash, 50 lks. wide, 3 ft. banks, course SE.  
 34.20 Road, brs. N.  $10^{\circ}$  W. and S.  $10^{\circ}$  E. 3 in. in diam., 26 ins. in the  
 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 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.
- 62.85 Road brs. N. and S.  
 73.20 Dry wash, 50 lks. wide, 1 ft. banks, course S.  
 79:96 Cor. of secs. 16, 17, 20 and 21.  
 Land, nearly level.  
 Soil, gravelly, 3rd rate.  
 Timber, none.  
 Undergrowth, greasewood brush, ocotillo and giant cactus.

- N.  $0^{\circ} 02' W$ ., bet. secs. 16 and 17.  
 Over slightly rolling land.
- 10.60 Dry wash, in ravine, 75 lks. wide, 10 ft. deep, course SE.  
 36.70 Ravine, 100 lks. wide, 10 ft. deep, course S.  $70^{\circ}$  E.  
 40.00 Point for  $\frac{1}{4}$  sec. cor. falls in ravine, 20 lks. wide, 4 ft. deep, course S.  $80^{\circ}$  E. Impracticable to establish cor. at this point; therefore, at  
 40.30 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in

Partial Subdivision of Township 6 North, Range 13 West. 17.

Chains.

the ground for witness cor. to  $\frac{1}{4}$  sec. cor., with brass cap, marked,

W. C  $\frac{1}{4}$  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.

- 43.10 Old road bears N.70° W. and S.70° E.
  - 43.50 Ravine, 75 lks. wide, 8 ft. deep, course S.70° E.
  - 55.00 Ascend S. slope of small hill.
  - 61.00 Top of ascent on small hill.
  - Descend over N. slope.
  - 67.00 Foot of descent; dry wash, 75 lks. wide, 3 ft. banks, course SE.
  - 74.00 Dry wash, 40 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. 8, 9, 16 and 17, with brass cap, marked,  
1914 in S. rim;  
T 6 N R 13 W in N. half;  
S 8 in NW.,  
S 9 in NE.,  
S 16 in SE., and  
S 17 in SW. quadrants;  
pits impracticable. Build a mound of stone 3 ft. base 3 ft. high, W. of cor.
- Land, slightly rolling.  
Soil, rocky, 4th rate.  
Timber, palo verde.  
Undergrowth, greasewood brush. Ocotillo.

- 
- 40.00 East, on a random line, bet. secs. 9 and 16.
  - Set temp.  $\frac{1}{4}$  sec. cor.
  - 80.03 Intersect N. and S. of line, 9 lks. S. of the cor. of secs. 9, 10, 15 and 16.
  - Thence I run,  
S.89° 56'  $\frac{1}{2}$ , on a true line, bet. secs. 9 and 16.
  - Over rolling land.
  - 11.25 Ravine, 75 lks. wide, 10 ft. deep, course S.15° W.
  - 31.40 Ravine, 60 lks. wide, 10 ft. deep, course south.
  - 34.25 Ravine, 75 lks. wide, 10 ft. deep, course S.10° E.
  - 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 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.
  - 43.50 Road brs. N.5° W. and S.5° E.
  - 54.10 Dry wash, 10 lks. wide, 2 ft. banks, course S.
  - 59.00 Road brs. N. and S.
  - 61.00 Dry wash, 100 lks. wide, 6 ft. banks, course S.
  - 79.65 Dry wash, 40 lks. wide, 2 ft. banks, course S.5° W.
  - 80.03 Cor. of secs. 8, 9, 16 and 17.
- Land, rolling.  
Soil, rocky, 4th rate.  
Timber, palo verde.  
Undergrowth, greasewood brush, ocotillo.

June 1, 1914.  
W.K.K.

18. Partial Subdivision of Township 6 North, Range 13 West.  
Chains.

W.H.T.

June 1, 1914: At 8h. a.m., l.m.t., I set off  $22^{\circ}0\frac{1}{2}'$  N. on decl. arc;  $33^{\circ}48\frac{1}{2}'$  N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 31 and 32, on south bdy. of Tp., reestablished by W.K. Kierulff, as described in Book "B."

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

Over level land.

15.70 Road brs. N.  $50^{\circ}$  W. and 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 31 in W., and

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.

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 6 N R 13 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, west of cor.

Land, level.

Soil, sandy, 3rd rate.

Timber, very scattering palo verde.

Undergrowth, greasewood brush, ocotillo and giant cactus.

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

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

79.98 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 28, 29, 32 and 33.

Thence I run,

S.  $89^{\circ}59'$  W., on a true line, bet. secs. 29 and 32.

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 29 in N., and

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, N. of cor.

42.05 Dry wash, 10 lks. wide, 1 ft. banks, course S.  $50^{\circ}$  E.

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

Land, level.

Soil, sandy, 3rd rate.

Timber, none.

Undergrowth, greasewood brush, 5 to 6 ft. high.

Ocotillo and giant cactus.

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

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

80.46 Intersect west bdy. of Tp., 21 lks. N. of the cor. of secs. 25, 30, 31 and 36, established by W.K. Kierulff, as described in Book "A."

Thence I run,

N.  $89^{\circ}51'$  E., on a true line, bet. secs. 30 and 31.

## Partial Subdivision of Township 6 North, Range 13 West, 19.

Chains.

- Over level land.
- 24.50 Road brs. NW. and SE.
- 40.46 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 30 in N., and  
 $\frac{1}{4}$  S 31 in S. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 80.46 Cor. of secs. 29, 30, 31 and 32.  
 Land, level.  
 Soil, sandy, 3rd rate.  
 Undergrowth, greasewood brush, 5 to 6 ft. high.  
 Ocotillo and giant cactus.
- 
- N.  $0^{\circ}03'$  W., bet. secs. 29 and 30.
- Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 30 in W., and  
 $\frac{1}{4}$  S 29 in E. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 19, 20, 29 and 30, with brass cap, marked,  
 T 6 N, R 13 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, 3rd rate.  
 Timber, very scattering ironwood and mesquite.  
 Undergrowth, greasewood brush, 5 to 6 ft. high; ocotillo and giant cactus.  
 At this cor., I set off  $22^{\circ} 1\frac{1}{2}'$  N. on the decl. arc; and at 11h. 57.5m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is  $33^{\circ} 50\frac{1}{2}'$  N.
- 
- East, on a random line, bet. secs. 20 and 29.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.05 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 20, 21, 28 and 29.  
 Thence I run,  
 S.  $89^{\circ}59'$  W., on a true line, bet. secs. 20 and 29.  
 Over level land.
- 12.55 Dry wash, 15 lks. wide, 1 ft. banks, course S.  $45^{\circ}$  E.
- 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 20 in N., and  
 $\frac{1}{4}$  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.
- 80.05 Cor. of secs. 19, 20, 29 and 30.

## 20. Partial Subdivision of Township 6 North, Range 13 West.

Chains.

Land, level.

Soil, sandy and gravelly, 3rd rate.

Timber, scattering mesquite and palo verde.

Undergrowth, greasewood brush, ocotillo and giant cactus.

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

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

80.35 Intersect west bdy. of Tp., 21 lks. N. of the cor. of secs. 19, 24, 25 and 30, established by W. K. Kierulff, as described in Book "A."

Thence I run,

N.  $89^{\circ}51'$  E., on a true line, bet. secs. 19 and 30.

Over level land.

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

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

Land, level.

Soil, sandy and gravelly, 3rd rate.

Timber, scattering mesquite and palo verde.

Undergrowth, greasewood brush, ocotillo and giant cactus.

June 1, 1914.

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

W. K. K.

June 2, 1914: At 8h. a.m., l.m.t., I set off  $33^{\circ}50\frac{1}{2}'$  N. on the lat. arc;  $22^{\circ}09'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30.

Thence I run,

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

Over level land.

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

63.50 Dry wash, 10 lks. wide, 1 ft. banks, course SE.

68.50 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. 17, 18, 19 and 20, with brass cap, marked,

T 6 N R 13 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 loam, 2nd rate.

Timber, palo verde.

Undergrowth, greasewood, ocotillo.

Partial Subdivision of Township 6 North, Range 13 West. 21.

Chains.

East, on a random line, bet. secs. 17 and 20.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.07 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 16, 17, 20 and 21.  
 Thence I run,  
 N.  $89^{\circ}58'$  W. on a true line, bet. secs. 17 and 20.  
 Over level land.  
 40.035 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  
 $\frac{1}{4}$  S 20 in S. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 55.00 Dry wash, 100 lks. wide, 6 ft. banks, course SE.  
 80.07 Cor. of secs. 17, 18, 19 and 20.  
 Land, level.  
 Soil, sandy, 2nd rate.  
 Timber, scattering palo verde.  
 Undergrowth, greasewood brush, ocotillo.

West, on a random line, bet. secs. 18 and 19.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.30 Intersect west bdy. 28 lks. N. of the cor. of secs. 13, 18, 19 and 24, established by me, as described in Book "A."  
 Thence I run,  
 N.  $89^{\circ}48'$  E. on a true line, bet. secs. 18 and 19.  
 Over level land.  
 .15 Dry wash, 15 lks. wide, 2 ft. banks, course S.  $60^{\circ}$  E.  
 40.30 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;  
 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.  
 44.15 Dry wash, 25 lks. wide, 1 ft. banks, course S.  $30^{\circ}$  E.  
 64.10 Wash, 20 lks. wide, 1 ft. banks, course S.  $60^{\circ}$  E.  
 80.30 Cor. of secs. 17, 18, 19 and 20.  
 Land, level.  
 Soil, sandy loam, 2nd rate.  
 Timber, palo verde.  
 Undergrowth, greasewood brush, ocotillo.  
 At this cor; I set off  $22^{\circ}10'$  N. on the decl. arc; and at 11h. 57m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is  $33^{\circ}51'$  N.

N.  $0^{\circ}03'$  W., bet. secs. 17 and 18.  
 Over level land.  
 10.50 Dry wash, 100 lks. wide, 8 ft. banks, course S.  $80^{\circ}$  E.  
 20.00 Ravine, 75 lks. wide, 6 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 18 in W., and  
 $\frac{1}{4}$  S 17 in E. half;  
 1914 in S. rim;  
 pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, W. of cor.  
 Foot of mountains; remainder neither grazing nor agricultural; therefore, discontinue survey at this point.  
 Land, level.  
 Soil, rocky, 4th rate.  
 Timber, palo verde and ironwood.

22. Partial Subdivision of Township 6 North Range 13 W.  
Chains.

Undergrowth, greasewood brush, ocotillo.

June 2, 1914.

W. K. K.

GENERAL DESCRIPTION.

The south half of this township is nearly level sandy soil, 2nd rate, covered with greasewood brush, 4 to 8 ft. high, scattering palo verde, giant cactus, ocotillo. The NW.  $\frac{1}{4}$  is mountainous, neither agricultural or grazing land.

Secs. 1, 2, 11, 12, 13, 14, 15 and 16 is rolling land, covered with gravel and boulders, cut up by ravines. Very little grass. No settlers.

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

*W. K. K.*  
U. S. Surveyor.  
U. S. Surveyor.



BOOK 2846 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 Township 6 North Range 13 West of the Gila and Salt River Basal and Meridian in the State of Arizona*

executed by *J. H. Thorn U. S. Surveyor* and *W. H. Kerulff U. S. Transitman* under ~~his~~ <sup>their</sup> 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 Sigall*  
 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.