

2845 ✓

4-679

Book "K" BOOK 2845

SEP. 4 - 1914

Camp

27

-Subdivisions-
FIELD NOTES

OF THE SURVEY OF THE
PART OF THE

.....

Subdivision lines of
Township 7 North, Range 12 West

Of the GILA AND SALT RIVER BASE AND Meridian,

In the State of ARIZONA

EXECUTED BY

W. K. KIERULFF

U.S. Transitman

In the capacity of U. S. Surveyor, under instructions dated February 17, 1914,
issued by the United States Surveyor General to govern surveys included in
Group No. 34, which were approved by the Commissioner of the General Land
Office, February 20, 1914, pursuant to authority contained in the Act of
Congress dated, 1914.

Survey commenced May 13, 1914.

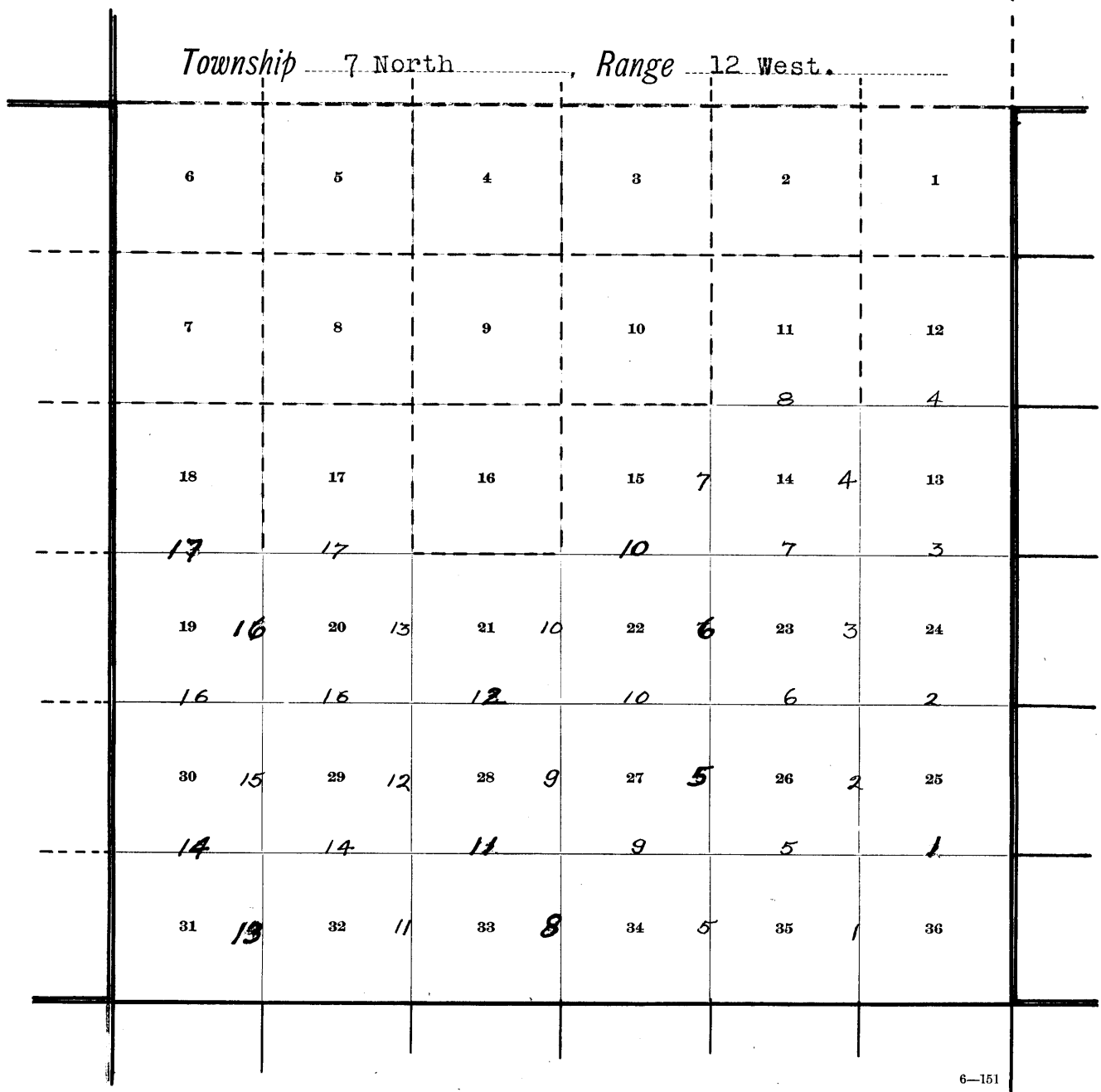
Survey completed May 21, 1914.

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BOOK 2845

Book "K"

INDEX DIAGRAM.



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- Notes in book "A"
- Notes in book "B"
- Notes in book "I"
- Accepted surveys.
- Unsurveyed lines.

Partial Subdivision of Township 7 North, Range 12 West.

Chains.

Survey commenced May 13, 1914, and executed by W.K. Kierulff, U.S. Transitman, with a Young and Sons' light mountain transit No. 8492, described in Book "A."

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

May 13, 1914: At a point near camp in sec. 20, T. 7 N., R. 12 W. Lat. $33^{\circ}56'00''$ N., long. $113^{\circ}31'41''$ W., at 4h. 30m. p.m., l.m.t., I set off $33^{\circ}56\frac{1}{2}'$ N. on the lat. arc; $18^{\circ}23'$ N. on decl. arc, and determine a meridian with the solar. The meridian thus determined falls upon a sharp projecting point on the mountain range approximately one mile to the north of my station.

At 10h. 04.4m. p.m., l.m.t., I observe Polaris at lower culmination in accordance with the Manual of Instructions.

May 14, 1914. At 8h. 0m. a.m., l.m.t., I set off $33^{\circ}56\frac{1}{2}'$ N. on the lat. arc; $18^{\circ}32\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar. The meridian thus determined falls upon the projecting point upon the mountain range to the north, as does the meridian determined by observation upon Polaris. Therefore, I conclude that the adjustments of the instrument are satisfactory.

May 15, 1914:

At 9h. a.m., l.m.t., I set off $18^{\circ}47'$ N. on the decl. arc; $33^{\circ}54'$ N. on the lat. arc; and determine a meridian with the solar at the original cor. of secs. 1, 2, 35 and 36 on the south bdy. of Tp., which is a stone $4x4$ ins. above ground, properly marked and witnessed by pits and mound.

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

34.85 Dry wash, 15 lks. wide, 1 ft. banks, course S. 10° E.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked, $\frac{1}{4}$ S 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

74.85 Road from Cullen's Well to Cunningham Pass, brs. E. and W.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 25, 26, 35 and 36, with brass cap, marked,

T 7 N R 12 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. $5\frac{1}{2}$ 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.

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

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

80.09 Intersect east bdy. of Tp., 3 lks. S. of the cor. of secs. 25, 30, 31 and 36, established by me, as described in Book "A."

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Chains.

- Thence I run,
S.89°59'W., on a true line, bet. secs. 25 and 36.
Over level land.
- 24.10 Dry wash, 25 lks.wide, 1 ft.banks, course S.5°W.
38.10 Dry wash, 12 lks.wide, 1 ft. banks, course S.
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 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.
- 46.00 Dry wash, 15 lks.wide, 1 ft.banks, course S.5° W.
66.10 Dry wash, 15 lks.wide, 1 ft.banks, course south.
80.09 Cor.of secs.25,26, 35 and 36.
Land, level.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood.

- N°0°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.
- 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in
the ground for cor.of secs.23,24,25 and 26,with
brass cap, marked,
T 7 N R 12 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, sage brush and mesquite brush.

- East, on a random line, bet. secs.24 and 25.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
80.08 Intersect E.bdy. of Tp.,at the cor.of secs.19,24,25 and
30, established by me, as described in Book "A."
Thence I run,
West, on a true line, bet. secs.24 and 25.
Over level land.
- 40.04 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 24 in N., and
S 25 in S.half;
1914 in S.rim;
dig pits 18x18x12 ins., E.and W.of cor. 3 ft. dist.,
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.high,
north of cor.

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Chains.

49.50 Dry wash, 25 lks.wide, 1 ft. banks, course S.5°W.
 60.00 Dry wash, 50 lks.wide, 1/2 ft.banks, course south.
 80.08 Cor.of secs. 23,24, 25 and 26.
 Land,level.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood, sage brush and mesquite brush.
 At this cor. I set off 18° 48 1/2' 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 33°55 1/2' N.

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

40.75 Dry wash, 20 lks.wide, 1 ft.banks, course S.10° E.
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground for cor.of secs. 13,14,23 and 24, with
 brass cap, marked,
 T 7 N.R 12 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 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.
 Undergrowth, greasewood, ocotillo.
 Timber, ironwood.

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

40.00 Set temp.1/4 sec.cor.
 80.16 Intersect east bdy.of Tp., 11 lks.S. of the cor.of secs.
 13,18,19 and 24, established by me, as described in
 Book "A."
 Thence I run,
 S.89°55'W., on a true line, bet. secs.13 and 24;
 Over level land.

5.65 Dry wash, 30 lks.wide, 1 ft.banks, course south.
 25.15 Dry wash, 50 lks.wide, 1 ft.banks, course SE.
 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 13 in N., and
 S 24 in S.half;
 1914 in S.rim; from which,
 A palo verde, 14 ins. in diam., brs.N.9 3/4°E.,92
 lks.dist., marked 1/4 S 13 B T.
 A palo verde, 8 ins. in diam., brs.S.2 1/4°E.,50
 lks.dist., marked 1/4 S 24 B T.

46.15 Dry wash, 75 lks.wide, 1 1/2 ft.deep, course south.
 65.75 Dry wash, 50 lks.wide, 2 ft.banks, course south.
 77.15 Dry wash,50 lks.wide,2 ft.banks, course S.10°E.
 80.16 Cor.of secs.13,14,23 and 24.
 Soil,sandy, gravel surface, 3rd rate. Land,level.
 Timber, ironwood and palo verde.
 Undergrowth,greasewood.

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- N.0°01' W. bet. secs. 13 and 14.
Over rolling land.
- 4.40 Dry wash, 75 lks.wide, 1 ft.banks, course SE.
15.25 Dry wash, 20 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 $\frac{1}{4}$ sec.cor., with brass cap, marked, $\frac{1}{4}$ S 14 in W., and S 13 in E.half; 1914 in S.rim; dig pits 18x18x12 ins., N.and S.of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, west of cor.
- 46.30 Ravine, 75 lks.wide, 15 ft.deep, course SE.
50.50 Canyon, 125 lks.wide, 20 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. 11,12,13 and 14, with brass cap, marked, T 7 N R 12 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; from which, A palo verde, 12 ins. in diam., brs.S.83°50'E., 97 lks.dist., marked T 7 N R 12 W S 13 BT. No other trees available. 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, rocky, 3rd rate.
Timber, ironwood and palo verde.
Undergrowth, greasewood and giant cactus.
-
- East, on a random line, bet. secs.12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
80.14 Intersect east bdy.of Tp., 8 lks.S.of the cor.of secs. 7,12,13 and 18, established by me, as described in Book "A."
Thence I run, S.89°57'W., on a true line, bet. secs.12 and 13.
Over rolling land.
- 20.15 Dry wash, 75 lks.wide, 2 ft.banks, course south.
28.60 Dry wash, 50 lks.wide, 3 ft.banks, course south.
38.60 Dry wash, 50 lks.wide, 1 ft.banks, course SE.
39.45 Ravine, 100 lks.wide, 6 ft.deep, course SE.
40.07 Point for $\frac{1}{4}$ sec.cor. falls in ravine. Impracticable to establish cor. at this point; therefore, at 41.15 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 ft.high around post for witness cor.to $\frac{1}{4}$ sec.cor., with brass cap, marked, WC $\frac{1}{4}$ S 12 in N., and S 13 in S.half; 1914 in S.rim; from which, A palo verde, 8 ins. in diam., brs.S.40 $\frac{1}{2}$ °W., 117 lks.dist., marked $\frac{1}{4}$ S 13 B T. A palo verde, 6 ins. in diam., brs.N.5°W., 102 lks.dist., marked $\frac{1}{4}$ S 12 B T.
- 52.65 Dry wash, 75 lks.wide, 6 ft.banks, course SE.
73.65 Dry wash, 20 lks.wide, 1 ft.banks, course SE.
80.14 Cor.of secs.11,12,13 and 14.
Land, rolling.
Soil, rocky, 3rd and 4th rate.
Timber, ironwood and palo verde.
Undergrowth, greasewood.
Giant cactus, ocotillo.

May 15, 1914.

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Chains.

May 16, 1914:

At 9h. a.m., l.m.t., I set off $19^{\circ}01'N.$ on decl. arc; $33^{\circ}54'N.$ on the 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 Tp., which is a stone $6 \times 4 \times 3$ ins. above ground, firmly set and correctly marked and witnessed by pits and mound.

Thence I run,

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

Over level land.

13.80 Dry wash, 20 lks. wide, $\frac{1}{2}$ 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 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.

75.50 Road from Challen's Well to Cunningham's Pass brs. E. and W.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35, with brass cap, marked,

T 7 N R 12 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 loam, 2nd rate.

Timber, none.

Undergrowth, greasewood brush, 4 ft. high.

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

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

80.02 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 25, 26, 35 and 36.

Thence I run,

S. $89^{\circ}58'W.$, on a true line, bet. secs. 26 and 35.

Over level land.

20.00 Dry wash, 20 lks. wide, 1 ft. banks, course S. $5^{\circ}E.$

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

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

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

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

Land, level.

Soil, sandy, 2nd rate.

No timber.

Undergrowth, greasewood brush, 4 ft. high.

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

Over level land.

5.00 Dry wash, 20 lks. wide, 1 ft. banks, course SE.

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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.

41.00 Dry wash, 30 lks. wide, 1 ft. banks, course S. 15° 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 7 N R 12 W in N. half;

S 22 in NW.,

S 23 in NE.,

S 26 in SE., and

S 27 in SW. quadrants;

1914 in S. rim;

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

Land, level.

Soil, sandy loam, 2nd rate.

Timber, none.

Undergrowth, greasewood brush.

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

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

80.02 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 23, 24, 25 and 26.

Thence I run,

S. $89^{\circ}59'$ W., on a true line, bet. secs. 23 and 26.

Over level land.

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

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

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

$\frac{1}{4}$ S 23 on 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.

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

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

Land, level.

Soil, sandy loam, 2nd rate.

Greasewood brush.

No timber.

At this cor., I set off $19^{\circ}3'$ N. on the decl. arc; and at llh. 56.2m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is $33^{\circ}55\frac{1}{2}'$ N.

N. $0^{\circ}01'$ W., bet. secs. 22 and 23.

Over level land.

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

$\frac{1}{4}$ S 22 in W., and

S 23 in E. half;

1914 in S. rim;

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

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in

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the ground for cor. of secs.14,15,22 and 23, with brass cap, marked,

- T 7 N R 12 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, west of cor.

Land, level.
 Soil, sandy loam.
 No timber.
 Undergrowth, greasewood brush.

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

- 40.00 Set temp. 1/4 sec. cor.
- 79.89 Intersect N. and S. line, 7 lks. S. of the cor. of secs.13,14, 23 and 24.

Thence I run,
 S. 89° 57' W., on a true line, bet. secs.14 and 23.
 Over level land.

- 9.90 Dry wash, 40 lks. wide, 1 ft. banks, course south.
- 35.90 Dry wash, 50 lks. wide, 1 ft. banks, course south.
- 39.945 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.

- 44.00 Dry wash, 25 lks. wide, 1 ft. banks, course south.
- 63.50 Dry wash, 25 lks. wide, 1 ft. banks, course south.
- 79.89 Cor. of secs.14,15,22 and 23.
 Land, nearly level.
 Soil, rocky, 3rd rate.
 Timber, ironwood.
 Undergrowth, greasewood.

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

- 22.50 Dry wash, 50 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 1/4 sec. cor., with brass cap, marked,
 1/4 S 15 in W., and
 S 14 in E. half;
 1914 in S. rim; from which,
 A palo verde, 12 ins. in diam., brs. N. 68 3/4° E., 91 lks. dist., marked 1/4 S 14 B T.

No other tree available. Pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, W. of cor.

- 42.00 Dry wash, 100 lks. wide, 1 ft. banks, course SE.
- 52.00 Dry wash, 100 lks. wide, 2 ft. banks, course SW.
- 60.00 Ascend 400 ft. over steep rocky S. slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., in a mound of stone 3 ft. base, 2 1/2 ft. high for cor. of secs.10,11, 14 and 15, with brass cap, marked,
 T 7 N R 12 W in N. half;
 S 10 in NW.
 S 11 in NE.,
 S 14 in SE., and
 S 15 in SW. quadrants;

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- 1914 in S. rim; pits impracticable;
build a mound of stone 3 ft. base, 3 ft. high, west of cor.
Land, south 50.00 chs. level; north 30.00 chs., broken.
Soil, south 50.00 chs. 3rd rate; north 30.00 chs., 4th rate,
Timber, palo verde and ironwood.
Undergrowth, greasewood.
-
- 40.00 East, on a random line, bet. secs. 11 and 14.
Set temp. $\frac{1}{4}$ sec. cor.
79.88 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 11, 12, 13 and 14.
Thence I run,
S. $89^{\circ}57'W.$, on a true line, bet. secs. 11 and 14.
Over rolling land.
16.90 Dry wash, 75 lks. wide, 6 ft. banks, course SE.
True point for $\frac{1}{4}$ sec. cor. falls in dry wash, where it would not be safe to establish the cor.; therefore, at
38.68 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 11 in N., and
S 14 in S. half;
1914 in S. rim; pits impracticable.
Build a mound of stone 3 ft. base, 3 ft. high, N. of cor.
39.00 Dry wash, 500 lks. wide, 8 ft. banks, course S. $10^{\circ}W.$
39.94 Point for $\frac{1}{4}$ sec. cor. in above wash.
63.90 Ascend SE. slope; dry wash, 100 lks. wide, 10 ft. banks, course SW.
79.88 Top of ascent. Cor. of secs. 10, 11, 14 and 15.
Land, rolling.
Soil, rocky, 4th rate.
Timber, palo verde and ironwood.
Undergrowth, greasewood brush.
May 16, 1914.
-
- May 18, 1914:
At 9h. a.m., l.m.t., I set off $19^{\circ}28'N.$ on decl. arc; $33^{\circ}54'N.$ on lat. arc; and determine a meridian with the solar at the original cor. of secs. 3, 4, 33 and 34 on S. bdy. of Tp., which is a stone 8x6x3 ins. above ground, firmly set, and correctly marked and witnessed by pits and mound.
Thence I run,
N. $0^{\circ}02'W.$, bet. secs. 33 and 34.
Over level land.
6.00 Dry wash, 20 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 $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 33 in W., and
S 34 in E. half;
1914 in S. rim;
dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 27, 28, 33 and 34, with brass cap, marked,
T 7 N, R 12 W in N. half;
S 28 in NW.,
S 27 in NE.,
S 34 in SE., and
S 33 in SW. quadrants;
1914 in S. rim;
dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Partial Subdivision of Township 7 North, Range 12 West. 9.

Chains.

Land, level.
Soil, sandy loam, 2nd rate.
Undergrowth, greasewood brush.
No timber.

-
- East, on a random line, bet. secs. 27 and 34.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.25 Intersect N. and S. line, 34 lks. S. of the cor. of secs. 26, 27, 34 and 35.
Thence I run,
S. $89^{\circ}45'$ W., on a true line, bet. secs. 27 and 34.
Over level land.
34.40 Road from Cullen's Well to Cunningham's Pass brs. N. 80° W., and S. 80° 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 27 in N., and
S 34 in S. half;
1914 in S. rim;
dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.25 Cor. of secs. 27, 28, 33 and 34.
Land, level.
Soil, sandy loam, 2nd rate.
Timber, none.
Undergrowth, greasewood brush.

-
- N. $0^{\circ}02'$ W., bet. secs. 27 and 28.
Over level land.
15.85 Road from Cullen's Well to Cunningham's pass, brs. N. 70° W. and S. 70° E.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 28 in W., and
S 27 in E. half;
1914 in S. rim;
dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
63.00 Dry wash, 75 lks. wide, $\frac{1}{2}$ ft. banks, course SE.
70.00 Dry wash, 100 lks. wide, $\frac{1}{2}$ 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. 21, 22, 27 and 28, with brass cap, marked,
T 7 N R 12 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, palo verde, and ironwood.
Undergrowth, greasewood brush, ocotillo; scattering native grass.
At this cor., I set off $19^{\circ}30'$ N. on decl. arc; at 11h. 56.2m. a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $33^{\circ}55\frac{1}{2}'$ N.
-

10 Partial Subdivision of Township 7 North, Range 12 West
Chains.

- East, on a random line, bet. secs. 22 and 27.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.30 Intersect N. and S. line, 34 lks. S. of the cor. of secs. 22, 23, 26 and 27.
Thence I run,
S. $89^{\circ}45'$ W. on a true line, bet. secs. 22 and 27.
Over level land.
40.15 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 22 in N., and
S 27 in S. half;
1914 in S. rim;
dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80p30 Cor. of secs. 21, 22, 27 and 28.
Land, level.
Soil, sandy loam, 2nd rate.
Timber, ironwood and palo verde.
Undergrowth, greasewood brush, ocotillo, scattering native grass.

- N. $0^{\circ}02'$ W., bet. secs. 21 and 22.
Over level land.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 21 in W., and
S 22 in E. half;
1914 in S. rim;
dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
47.25 Ravine, 75 lks. wide, 10 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. 15, 16, 21 and 22, with brass cap, marked,
T 7 N, R 12 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 and raise a mound of earth 3 ft. base, 3 ft. high, W. of cor.
Land, level.
Soil, sandy loam, 2nd rate on south half; rocky, 3rd rate on N. half;
Timber, palo verde.
Undergrowth, greasewood brush, ocotillo.

- East, on a random line, bet. secs. 15 and 22.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.27 Intersect N. and S. line, 34 lks. S. of the cor. of secs. 14, 15, 22 and 23.
Thence I run,
S. $89^{\circ}45'$ W. on a true line, bet. secs. 15 and 22.
Over rolling land.
19.75 Dry wash, 25 lks. wide, 1 ft. banks, course south.
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 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.

Partial Subdivision of Township 7 North Range 12 West. 11.

Chains.

- 64.75 Dry wash, 100 lks.wide, 5 ft.banks, course south.
- 77.00 Dry wash, 75 lks.wide, 3 ft. banks, course south.
- 80.27 Cor.of secs. 15,16,21 and 22.
Land, rolling.
Soil, rocky, 4th rate.
Timber, palo verde.
Undergrowth, greasewood brush, ocotillo.
May 18,1914.

May 19,1914.
At 9h. a.m.,l.m.t., I set off $19^{\circ} 41\frac{1}{2}'$ N. on decl.arc;
 $33^{\circ} 54'$ N. on lat.arc, and determine a meridian with
the solar at the original cor.of secs.4,5,32&33, on S.bdy.
of T.7. S. stone 6x6x3 ins. above ground, correctly marked
and witnessed by pits and mound.

- 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.
- 49.10 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. 28,29, 32 and 33,with
brass cap, marked,
T 7 N R 12 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 loam, 2nd rate.
Timber, ironwood.
Undergrowth, greasewood,ocotillo.

- East, on a random line, bet. secs.28 and 33.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.06 Intersect N.and S. line, 5 lks.S.of the cor.of secs.27,28,
33, and 34.
Thence I run,
S.89°58' W., on a true line, bet. secs.28 and 33.
Over level land.
- 40.03 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the
ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 28 in N., and
S 33 in S.half;
1914 in S.rim;
dig pits 18x18x12 ins., E.and W.of cor., 3 ft.dist.,
and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high,
N.of cor.
- 80.06 Cor.of secs.28,29,32and 33/
Land,level.
Soil, sandy loam, 2nd rate.
Timber, ironwood.
Undergrowth, greasewood brush, ocotillo.

12. Partial Subdivision of Township 7 North Range 12 West.
Chains.

- N.0°02' W., bet. secs. 28 and 29.
Over level land.
- 17.00 Dry wash, 25 lks.wide, 1 ft.banks, course SE.
- 33.00 Dry wash, 30 lks.wide, 1 ft.banks, course SE.
- 39.90 Road from Cullen's Well to Cunningham's Pass brs.N.80°W.,
and 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 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.
- 44.25 Ravine, 75 lks.wide, 8 ft.deep, course SE.
- 49.00 Dry wash, 50 lks.wide, 1 ft.banks, course S.10°E.
- 79.25 Dry wash, 50 lks.wide, 1 ft.banks, course S.5°E.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
the ground for cor.of secs.20,21,28 and 29, with brass
cap, marked,
T 7 N R 12 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; from which,
An ironwood, 14 ins. in diam., brs.N.12 $\frac{1}{2}$ °E., 44
lks.dist., marked T 7 N R 12 W S 21 BT.
- No other trees available. Pits impracticable.
Build a mound of stone 3 ft.base, 3 ft.high, W.of cor.
Land, level.
Soil, gravelly, 3rd rate.
Timber, palo verde and ironwood.
Undergrowth, greasewood, ocotillo.
At this cor., I set off 19°43' N.on the decl.arc; and at
11h. 56.3m. a.m., l.m.t., I observe the sun on the meri-
dian; the resulting lat.is 33° 55 $\frac{1}{2}$ 'N.
-

- East, on a random line, bet. secs.21 and 28.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.06 Intersect N.and S. line, 5 lks.S.of the cor.of secs.21,22,
27 and 28.
Thence I run,
S.89°58'W., on a true line, bet. secs.21 and 28.
Over rolling land.
- 16.30 Dry wash, 125 lks.wide, 1 ft.banks, course SE.
- 23.00 Dry wash, 50 lks.wide, 1 ft.banks, course south.
- 31.00 Dry wash, 100 lks.wide, 1 ft.banks, course SE.
- 40.03 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 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.
- 80.06 Cor.of secs.20,21,28 and 29.
Land, rolling.
Soil, gravelly, 3rd rate.
Timber, palo verde and ironwood.
Undergrowth, greasewood, ocotillo.
-

- N.0° 02' W., bet. secs. 20 and 21.
Over rolling land.
- 40.00 Set an iron post 3 ft.long, 1 in. in diam., 12 ins. in

Partial Subdivision of Township 7 North Range 12 West. 13.

Chains.

the ground (could not set deeper for solid rock) build a mound of stone 3 ft. base, 1 1/2 ft. high around post, for 1/4 sec. cor., with brass cap, marked, 1/4 S 20 in W., and S 21 in E. half; 1914 in S. rim;

- 43.50 pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, west of cor.
 - 43.50 Dry wash, 125 lks. wide, 2 ft. banks, course S. 10° E.
 - 50.00 Ascend steep rocky south slope.
 - 54.00 Top of ascent, brs. E. and W.
 - Descend over N. slope.
 - 62.00 Foot of descent in draw, course west.
 - Ascend over slight SW. slope.
 - 77.25 Top of ascent.
 - Descend over NW. slope.
 - 80.00 Set an iron post 3 ft. long, 2 ins. in diam., in a mound of stone 3 ft. base, 2 1/2 ft. high, for cor. of secs. 16, 17, 20 and 21, with brass cap, marked, T 7 N, R 12 W in N. half; S 17 in NW., S 16 in NE., S 21 in SE., and S 20 in SW. quadrant; 1914 in S. rim; pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, W. of cor. Pits impracticable.
- Land, south half, rolling; north half, mountainous.
Soil, rocky, 4th rate.
Timber, palo verde and ironwood.
Undergrowth, greasewood.

May 19, 1914.

May 20, 1914.

At 9h. a.m., l.m.t., I set off 19°54 1/2' N. on the decl. arc; 33°54' N. on the lat. arc; and determine a meridian with the solar at the original cor. of secs. 5, 6, 31 and 32, on the south bdy. of Tp., which is a stone 4x8x6 ins. above ground, properly marked and witnessed by pits and mound.

Thence I run, N. 0°03' W., bet. secs. 31 and 32. Over level land.

- 21.10 Wood road, brs. N. 80° W. and S. 80° E.
- 21.70 Wood road, brs. E. and W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with brass cap, marked, 1/4 S 31 in W., and S 32 in E. half; 1914 in S. rim; dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.
- 42.00 Dry wash, 50 lks. wide, 1 ft. banks, course SE.
- 64.80 Old road brs. NE. and SW.
- 70.10 Dry wash, 50 lks. wide, 1 ft. banks, course S. 5° E.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap, marked, T 7 N R 12 W in N. half; S 30 in NW., S 29 in NE., S 32 in SE., and S 31 in SW. quadrants; 1914 in S. rim; dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

14. Partial Subdivision of Township 17 North Range 12 W
Chains.

Land, level.

Soil, gravelly, 3rd rate.

Timber, palo verde and mesquite. Ironwood.

Undergrowth, greasewood brush, ocotillo.

-
- East, on a random line, bet. secs. 29 and 32.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.85 Intersect N. and S. line, 10 lks. N. of the cor. of secs. 28, 29, 32 and 33.
- Thence I run,
N. $89^{\circ}56'$ W., on a true line, bet. secs. 29 and 30.
- Over level land.
- 9.75 Dry wash, 50 lks. wide, 1 ft. banks, course S. 10° E.
- 19.35 Old road brs. SW. and NE.
- 39.925 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 29 in N., and
S 32 in S. half;
1914 in S. rim;
dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 47.85 Dry wash, 50 lks. wide, 1 ft. banks, course S. 10° W.
- 53.75 Old road, brs. N. and S. Dry wash, 25 lks. wide, 1 ft. banks, course S. 10° W.
- 61.75 Dry wash, 100 lks. wide, 1 ft. banks, course south.
- 72.85 Dry wash, 60 lks. wide, 1 ft. banks, course south.
- 75.85 Old road brs. N. 10° E. and S. 10° W.
- 79.85 Cor. of secs. 29, 30, 31 and 32.
- Land, level.
- Soil, gravelly, 3rd rate.
- Timber, palo verde, mesquite and ironwood.
- Undergrowth, greasewood brush, ocotillo.

-
- West, on a random line, bet. secs. 30 and 31.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 78.91 Intersect west bdy. of Tp., 4 lks. S. of the cor. of secs. 25, 30, 31 and 36, established by W. H. Thorn, as described in Book "A."
- Thence I run,
S. $89^{\circ}58'$ E., on a true line, bet. secs. 30 and 31.
- Over level land.
- 1.65 Dry wash, 50 lks. wide, 1 ft. banks, course SE.
- 2.90 Old road brs. NE. and SW.
- 6.95 Dry wash, 20 lks. wide, 1 ft. banks, course SE.
- 38.91 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 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.
- 54.00 Dry wash, 60 lks. wide, 1 ft. banks, course south.
- 59.10 Road from Wenden to Cunningham's Pass, brs. N. and S.
- 63.80 Dry wash, 75 lks. wide, 1 ft. banks, course S.
- 75.90 Dry wash, 50 lks. wide, 8 ft. deep, course S. 5° E.
- 78.40 Ravine, 75 lks. wide, 8 ft. deep, course S. 15° W.
- 78.91 Cor. of secs. 29, 30, 31 and 32.
- Land, level.
- Soil, gravelly, 3rd rate.
- Timber, palo verde, mesquite and ironwood.
- Undergrowth, greasewood brush, ocotillo.
- At this cor., I set off $19^{\circ}56'$ N. on the decl. arc; and at 11h.

Partial Subdivision of Township 7 North Range 12 West 15.

Chains.

56.3m. observe the sun on the meridian; resulting lat.
33°55'N.

- N.0°03'W., bet. secs.29 and 30.
Over level land.
- 1.00 Ravine, 75 lks.wide, 8 ft.deep, course S.15° W.
27.50 Road brs.NE. and 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 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.
- 49.00 Old road, brs.N.5°W. and S.5°E.
60.75 Old road brs.N.5°E.and S.5°W.
80.00 Point for sec.cor. falls in dry wash, 75 lks.wide, 1 ft.
banks, course S.5°W. Impracticable to establish cor.at
this point. Therefore at
81.00 Set an iron post 3 ft.long, 2 ins. in diam.,24 ins.in
the ground for witness cor.to cor.of secs.19,20,29 and
30, with brass cap, marked,
T 7 N R 12 W in N.half;
W C N.of center,
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, gravelly, 3rd rate.
Timber, palo verde,ironwood.
Undergrowth, greasewood brush, ocotillo.

- East, on a random line, bet. secs.20 and 29,from true
cor.point.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
79.91 Intersect the cor.of secs.20,21,28 and 29.
Thence I run,
West, on a true line, bet. secs.20 and 29.
Over level land.
- 8.20 Ravine, 75 lks.wide, 8 ft.banks,course south.
14.00 Old road brs.N.and S.
14.65 Dry wash, 50 lks.wide, 3 ft.banks, course S.5°W.
33.40 Dry wash, 75 lks.wide 10 ft.banks, course S.
39.955 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 ft.high around post for
 $\frac{1}{4}$ sec.cor., with brass cap, marked,
 $\frac{1}{4}$ S 20 in N., and
S 29 in S.half;
1914 in S.rim;
dig pits 18x18x12 ins., E.and W.of cor.,3 ft.dist.,
and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high,N,of
cor.
- 53.40 Dry wash, 50 lks.wide, 2. ft.banks,course S.
57.90 Dry wash,100 lks.wide, $1\frac{1}{2}$ ft.banks,course S5°E.
60.00 Dry wash, 50 lks.wide, 1 ft.banks,course S.5°W.
77.60 Old road, brs.N.and S.
79.91 True point for cor.of secs.19,20,29 and 30, in wash.
Land,level.
Soil,rocky, 4th rate.

16. Partial Subdivision of Township 7 North Range 12 West. Chains.

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

West, on a random line, bet. secs. 19 and 30, from true cor. from true cor. point.

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

78.73 Intersect west bdy. of Tp., 4 lks. S. of the cor. of secs. 19, 24, 35 and 30, established by W.H. Thorn, as described in Book "A."

Thence I run, S. $89^{\circ}58'$ E. on a true line. bet. secs. 19 and 30. Over rolling land.

Ascend steep SW-slope.

6.55 Top of ascent.

Descend steep rocky east slope.

21.75 Foot of descent.

35.95 Ravine, 100 lks. wide, 20 ft. deep, course SE.

38.73 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.

41.05 Ravine, 125 lks. wide, 12 ft. deep, course SE.

49.75 Ravine, 100 lks. wide, 10 ft. deep, course SE.

52.75 Dry wash, 50 lks. wide, 1 ft. banks, course S.

68.75 Dry wash, 75 lks. wide, 1 ft. banks, course S.

69.85 Old road, brs. N. 10° E. and S. 10° W.

78.73 True point for cor. of secs. 19, 20, 29 and 30, in wash.

Land, rolling and mountainous.

Soil, 4th rate, rocky.

Timber, ironwood and palo verde.

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

May 20, 1914.

May 21, 1914.

At 9h. a.m., l.m.t., I set off $20^{\circ}07'$ N. on the decl. arc; $33^{\circ}55\frac{1}{2}'$ N. on lat. arc; and determine a meridian with the solar at the true point for cor. of secs. 19, 20, 29 and 30.

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

1.00 Witness cor. to cor. of secs. 19, 20, 29 and 30.

29.50 Road brs. N. 5° W. and S. 5° E.

36.50 Enter dry wash, 300 lks. wide, 8 ft. banks, course S. 10° E.

40.00 Point for $\frac{1}{4}$ sec. cor. falls in above wash. Impracticable to establish cor. at this point.

47.00 Leave dry wash.

47.50 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 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.

57.00 Ravine, 100 lks. wide, 20 ft. deep, course S. 5° E.

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,

Partial Subdivision of Township 7 North, Range 12 West. 17.

Chains.

T 7 N. R 12 W in N. half;
S 18 in NW.,
S 17 in NE.,
S 20 in SE., and
S 19 in SW. quadrants;
1914 in S. rim;

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

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

40.00 East, on a random line, bet. sec's. 17 and 20.
Set temp. 1/4 sec. cor.
79.91 Intersect N. and S. line, 12 lks. N. of the cor. of secs. 16, 17, 20 and 21.

Thence I run, N. 89° 55' W., on a true line, bet. secs. 17 and 20. Over rolling land.

14.90 Dry wash, 175 lks. wide, 12 ft. banks, course S.
22.90 Old road brs. N. and S.
32.40 Dry wash, 100 lks. wide, 6 ft. banks, course south.
39.95 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with brass cap, marked,

1/4 S 17 in N., and
S 20 in S. half;
1914 in S. rim;

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

50.70 Dry wash, 75 lks. wide, 6 ft. banks, course SW.
58.90 Dry wash, 150 lks. wide, 10 ft. banks, course S. 10° W.
70.90 Dry wash, 50 lks. wide, 2 ft. banks, course SW.
79.91 Cor. of secs. 17, 18, 19 and 20.

Land, rolling.
Soil, rocky, 4th rate.
Timber, palo verde, ironwood.
Undergrowth, greasewood brush, ocotillo, cholla and giant cactus.

At this cor., I set off 20° 08 1/2' N. on the decl. arc; and at 11h. 56 1/4 m. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is 33° 56 1/2' N.

The cor. of secs. 13, 18, 19 and 24, on the west bdy. of the Tp. being in plain sight, I run for said cor., West, on a true line, bet. secs. 18 and 19. Over rolling land.

7.50 Dry wash, 250 lks. wide, 8 ft. banks, course SW.
18.80 Dry wash, 250 lks. wide, 8 ft. banks, course S. 10° E.
19.70 Road from Wenden to Cunningham's Pass, brs. N. and S.
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 18 in N., and
S 19 in S. half;
1914 in S. rim;

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

61.00 Ravine, 125 lks. wide, 25 ft. deep, course N. 75° E.
78.65 Intersect west bdy. of Tp. at the cor. of secs. 13, 18, 19 and 24, established by W.H. Thorn, as described in Book "A." Land, rolling.

Soil, rocky, 4th rate.
Timber, palo verde and ironwood.

18. Partial Subdivision of Township 7 North, Range 12 West.
Chains.

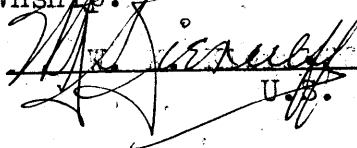
Undergrowth, greasewood brush, ocotillo, cholla and giant cactus.

May 21, 1914.

GENERAL DESCRIPTION.

The portion of this township which is subdivided slopes towards the south boundary from the middle of the township where the Harcuvar Range makes the northern half of the township worthless. The soil varies from 2nd rate in the SE. part to worthless in the northern half.

Native grass grows along the washes. Greasewood and scrub palo verde and ironwood grow next to the hills. There are no settlers in the township.


U.S. Transitman.

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FOR FINAL OATH OF UNITED STATES TRANSITMAN.

See Book "D"

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

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Ariz. DEC 30, 1915

The foregoing field notes of the survey of *part of the Subdivision lines of Townships 7 North Range 12 West of the Gila and Salt River Basins and Meridians* in the State of Arizona

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

Frank S. Ingalls
Surveyor General.
OF ARIZONA.

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