

Book X
2316

BOOK 2316

FEB 12 1912

162

FIELD NOTES

OF THE SURVEY OF THE

2316

Subdivision Lines of J & A R. 14 W.

2316

Of the G. S. R. Meridian,

In the State of Territory of Arizona

EXECUTED BY

W. O. Bacon

In the capacity of U. S. ^{Assistant} Surveyor, under instructions dated Sept. 16, 1910,
issued by the United States Surveyor General to govern surveys included in
Group No. 9, which were approved by the Commissioner of the General Land
Office, Sept. 7, 1910, pursuant to authority contained in the Act of
Congress dated February 2, 1897.

Survey commenced May 8, 1911

Survey completed May 18, 1911

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For Oaths see Book J.

BOOK 2316

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Note:

For North Boundary see Book B, Group 10
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Subdivision of Township 24 North, Range 14 West.

Chains.

Survey commenced May 8, 1911, and executed with a Buff & Burger engineer's transit #672 with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to 30" of arc. I examine the adjustments of the transit and solar apparatus, and find them to be correct; 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, I proceed as follows:

At the cor. to secs. 5, 6, 31 and 32 on the S. bdy.; lat. $35^{\circ}25'15''$ N.; long. $113^{\circ}43'53''$ W. at 4h.30m. a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a stake set in the ground about 5 chs. N. of my station.

At 7:30 a.m., I lay off the azimuth of Polaris, $1^{\circ}26'$ to the west, and mark the meridian thus determined by a tack set in a stake about 5 chs. N. of my station.

At 8:00 a.m., l.m.t., I set off $35^{\circ}25'$ N. on the lat. arc; $16^{\circ}55'$ N. on the decl. arc, and determine a meridian with the solar; this point falls 0.3 ins. W. of the point established by the Polaris observation.

At 11h.56m. a.m., l.m.t., I set off $16^{\circ}57'$ N. on the decl. arc, and observe the sun on the meridian; the resulting lat. is $35^{\circ}25'$ N.

At 3:00 p.m., l.m.t., I set off $35^{\circ}25'$ N. on the lat. arc; $16^{\circ}59'$ N. on the decl. arc, and determine a meridian with the solar; this point falls 0.2 ins. E. of the point established by the Polaris observation; I therefore conclude that the adjustments of my instrument are satisfactory.

The magnetic bearing of the meridian is $14^{\circ}50'$ W., which gives the magnetic decl. $14^{\circ}50'$ E.

May 8, 1911.

May 9, 1911: At 8:00 a.m., l.m.t., I set off $35^{\circ}25'$ N. on the lat. arc; $17^{\circ}11'$ N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32 on the S. bdy.

Thence I run,
N. $0^{\circ}1'$ E., bet. secs. 31 and 32.
Over rolling land; descend.

- 2.00 Main road, brs. E. and W.
18.57 Telegraph line, bears E. and W.
19.55 Intersect main line of Santa Fe R.R. on curve to E. and SW., at W. end of culvert #A495.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 31 in W., and
S 32 in E. half; dig pits 18x18x12 ins. N. and S. of post 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. diam., 24 ins. in the ground for cor. of secs. 29, 30, 31 and 32, marked on brass cap,
T 24 N, R 14 W in N. half;
S 30 in NW.,
S 29 in NE.,
S 32 in SE., and
S 31 in SW. quadrants; 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, sandy loam mixed with gravel; fair grazing.

2. Subdivision of Township 24 North Range 14 West.

Chains.

West on a random line, bet. secs.30 and 31.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.96 Intersect W.bdy.of Tp. 5 lks.S.of cor. of secs.25,30,31 and 36.
 Thence I run,
 S.89°58'E: on a true line, bet. secs.30 and 31.
 Over rolling land.
 32.00 Road, bears N.10°E. and S.10°W.
 39.98 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 30 in N., and S 31 in S.half; dig pits 18x18x12 ins. E.and W.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of cor.
 79.96 The cor.to secs.29,30,31 and 32.
 Land, rolling.
 Soil, sandy loam, mixed with gravel; fair grazing.

N.0°1'E., bet. secs.29 and 30.
 Over rolling land; descend through dense cactus.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 30 in W., and S 29 in E.half; dig pits 18x18x12 ins.N.and S.of post 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. diam., 24 ins. in the ground for cor.of secs. 19,20,29 and 30, marked on brass cap,
 T 24 N., R.14 W.in N.half;
 S 19 in NW.,
 S 20 in NE.,
 S 29 in SE., and
 S 30 in SW. quadrant; 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, sandy loam, mixed with gravel; fair grazing.

N.89°58'W., on a random line, bet. secs.19 and 30.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.92 Intersect W.bdy. of township 3 lks. N.of corner of secs. 19,24,25 and 30.
 Thence I run,
 S.89°59'E., on a true line, bet. secs.19 and 30.
 Over rolling land.
 39.96 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 19 in N., and S 30 in S.half; dig pits 18x18x12 ins.E.and W.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of cor.
 50.00 Road, NNE.and SSW.
 79.92 The cor.of secs.19,20,29 and 30.
 Land, rolling.
 Soil, sandy loam, mixed with gravel; fair grazing.
 May 9, 1911: I set off 17°13'N. on the decl.arc; at 11h. 56m.a.m.,l.m.t., observe the sun on the meridian; the resulting lat. is 35° 27'N.

Chains.

- N.0°1'E., bet. secs. 19 and 20.
Over rolling land, through dense cactus.
- 20.00 Leave cactus.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 19 in W., and S 20 in E.half; dig pits 18x18x12 ins., N.and S.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,W.of cor.
- 49.32 Hackberry road, bears N.40°W., and 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.17,18,19 and 20, marked on brass cap,
T 24 N, R 14 W in N.half;
S 18 in NW.,
S 17 in NE.,
S 20 in SE., and
S 19 in SW. quadrant; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high,W.of cor.
- Land, rolling.
Soil, sandy loam; fair grazing.

- N.89°59'W., on a random line, bet. secs.18 and 19.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 79.94 Intersect W.bdy.of Tp., 2 lks.N.of cor. of secs.13,18,19 and 24.
- Thence I run,
East, on a true line, bet. secs.18 and 19.
Over rolling land, through dense cactus.
- 39.97 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 18 in N., and S 19 in S.half; dig pits 18x18x12 ins. E.and W.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of cor.
- 52.08 Road, Hackberry, brs. NW.and SE.
- 61.74 Dim road, brs.N.and S.
- 79.94 The cor.of secs.17,18,19 and 20.
- Land, rolling.
Soil, sandy loam; fair grazing.

May 9, 1911.

- May 10, 1911: At 8:00 a.m.,l.m.t., I set off 35°28'N. on the lat.arc; 17°27'N. on the decl.arc, and determine a meridian with the solar at the cor.of secs.17, 18,19 and 20.
- Thence I run,
N.0°1' E., bet. secs. 17 and 18.
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., marked on brass cap, $\frac{1}{4}$ S 18 in W., and S 17 in E.half; dig pits 18x18x12 ins.N.and S.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,W.of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor.of secs. 7,8,17 and 18, marked on brass cap,
T 24 N, R 14 W in N.half;
S 7 in NW.,
S 8 in NE.,
S 17 in SE., and
S 18 in SW. quadrant; dig pits 18x18x12 ins. in

Chains.

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, stiff clay; fair grazing.

- West, on a random line, bet. secs. 7 and 18.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.92 Intersect W. bdy. of township 3 lks. N. of cor. of secs. 7, 12, 13 and 18.
Thence I run,
N. $89^{\circ}59'E.$, on a true line, bet. secs. 7 and 18.
Over level land.
39.96 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 7 in N., and
S 18 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.92 The cor. of secs. 7, 8, 17 and 18.
Land, level.
Soil, stiff clay; fair grazing.

- N. $0^{\circ}1'E.$, bet. secs. 7 and 8.
Over level valley.
22.00 Wash, 40 lks. wide, course N. $70^{\circ}E.$
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 7 in W., and
S 8 in E. half; dig pits 18x18x12 ins. N. and S. of post 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. 5, 6, 7 and 8, marked on brass cap,
T 24 N, R 14 W in N. half;
S 6 in NW.,
S 5 in NE.,
S 8 in SE., and
S 7 in SW. quadrant; 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, stiff clay; fair grazing.

- May 10, 1911: I set off $17^{\circ}29'N.$ on the decl. arc, and at 11h.56m. a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $35^{\circ}30'N.$
S. $89^{\circ}59'W.$, on a random line, bet. secs. 6 and 7.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect W. bdy. of township 3 lks. N. of cor. of secs. 1, 6, 7 and 12.
Thence I run,
N. $89^{\circ}58'E.$, on a true line, bet. secs. 6 and 7.
Over level valley.
39.95 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 6 in N., and
S 7 in S. half; dig pits 18x18x12 ins., E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
71.00 A corral brs. south, 3 chs. dist.
79.90 The cor. of secs. 5, 6, 7 and 8.

Chains.

Land, level.

Soil, sandy loam, with stiff clay sub-soil; fair grazing.

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- N.0°1'E., bet. secs.5 and 6.
Over level valley land.
- 1.00 SW.bank of Truxton Wash, 6 ft. high.
4.50 Center of Truxton Wash, course NW.
8.00 Leave Truxton Wash.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 6 in W., and S 5 in E.half; dig pits 18x18x12 ins.N.and S.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,W.of cor.
- 70.70 Dim road, brs.NW.and SE.
82.40 Wash, 50 lks.wide, course S.60°W.,
89.00 Intersect Sixth Standard Parallel North, 19.40 chs.E.of Standard $\frac{1}{4}$ sec.cor. on S.bdy.sec.32.
- Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs.5 and 6, marked on brass cap,
C C, S.of center,
T 25 N,R.14 W, S 32, S 33 in N.half;
S 5 in SE., and
S 6 in SW. quadrant; dig pits 24x18x12 ins., cross-wise on each line,E.and W. 3 ft.dist., and S.of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high,S.of cor.
- Land, level.
Soil, sandy loam, with clay sub-soil.
Fair grazing.

May 10, 1911.

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- May 11, 1911: At 8:00 a.m., l.m.t., I set off 35°25'N. on the lat.arc; 17°43'N. on the decl.arc, and determine a meridian with the solar at the cor.of secs. 4, 5, 32 and 33 on the S.bdy.
- Thence I run,
N.0°1'E., bet. secs.32 and 33.
Over rolling land; descend.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 32 in W., and S 33 in E.half; dig pits 18x18x12 ins. N.and S.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,W.of cor.
- 65.00 Enter dense cactus.
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, marked on brass cap,
T 24 N, R 14 W in N.half;
S 29 in NW.,
S 28 in NE.,
S 33 in SE., and
S 32 in SW.quadrant; 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, sandy loam; fair grazing.

-
- West, on a random line, bet. secs.29 and 32.
40.00 Set temp. $\frac{1}{4}$ sec.cor.

6. Subdivision of Township 24 North. Range 14 West.

Chains.

80.04 Intersect N and S. line 5 lks. N. of cor. to secs. 29, 30, 31 and 32.

Thence I run,

N. $89^{\circ}58'E.$, on a true line, bet. secs. 29 and 32.

Over rolling land; descend.

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

$\frac{1}{4}$ S 29 in N., and

S 32 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.04 The cor. of secs. 28, 29, 32 and 33.

Land, rolling.

Soil, sandy loam; fair grazing.

N. $0^{\circ}1'E.$, bet. secs. 28 and 29.

Over level land, through dense cactus.

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

$\frac{1}{4}$ S 29 in W., and

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

66.66 Hackberry road, bears NW. and SE.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29, marked on brass cap,

T 24 N R 14 W in N. half;

S 20 in NW.,

S 21 in NE.,

S 28 in SE., and

S 29 in SW. quadrant; 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.

Fair grazing.

May 11, 1911: I set off $17^{\circ}45'N.$ on the decl. arc, and at 11h.56m. a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $35^{\circ}27'N.$

S. $89^{\circ}58'W.$ on a random line, bet. secs. 20 and 29.

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

80.12 Intersect N. and S. line 9 lks. S. of cor. of secs. 19, 20, 29, and 30.

Thence I run,

S. $89^{\circ}58'E.$, on a true line, bet. secs. 20 and 29.

Over level land.

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

$\frac{1}{4}$ S 20 in N., and

S 29 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

58.60 Hackberry road, bears NW. and SE.

80.12 The cor. of secs. 20, 21, 28 and 29.

Land, level.

Soil, sandy loam, with stiff clay sub-soil; fair grazing.

N. $0^{\circ}1'E.$, bet. secs. 20 and 21.

Over level land.

Subdivision of Township 24 North, Range 14 West.

7.

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., marked on brass cap, $\frac{1}{4}$ S 20 in W., and S 21 in E.half; dig pits 18x18x12 ins. N.and S.of post 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. 16,17, 20 and 21, marked on brass cap, T 24 N, R 14 W in N.half; S 17 in NW., S 16 in NE., S 21 in SE., and S 20 in SW.quadrant; 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, loose, sandy loam; fair grazing.

- N. $89^{\circ}58'W.$, on a random line, bet, secs.17 and 20.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.08 Intersect N.and S. line 2 lks.N.of cor.to secs.17,18,19 and 20.
- Thence I run,
S. $89^{\circ}59'E.$, on a true line, bet. secs.17 and 20.
- 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., marked on brass cap, $\frac{1}{4}$ S 17 in N., and S 20 in S.half; dig pits 18x18x12 ins. E.and W.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of cor.
- 80.08 The cor.of secs.16,17,20 and 21.
Land,level; soil,sandy loam; fair grazing.
May 11, 1911.

- May 12, 1911: At 8:00 a.m.,l.m.t., I set off $35^{\circ}28'N.$ on the lat.arc; $17^{\circ}58'N.$ on the decl.arc, and determine a meridian with the solar at the cor.of secs. 16,17, 20 and 21.
- Thence I run,
N. $0^{\circ}1'E.$, bet. secs.16 and 17.
Over level valley land.
- 40.00 Center of Truxton Wash, 2 chs. wide, course N. $30^{\circ}W.$
- 43.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for witness cor. to $\frac{1}{4}$ sec.cor., marked on brass cap,
W C $\frac{1}{4}$ in N.half,
S 16 in SE., and
S 17 in SW. quadrant; dig pits 18x18x12 ins. N.and S.of post 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.diam., 24 ins. in the ground for cor.of secs.8,9,16 and 17, marked on brass cap,
T 24 N, R 14 W in N.half;
S 8 in NW.,
S 9 in NE.,
S 16 in SE., and
S 17 in SW. quadrant; 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 valley.
Soil, loose, sandy loam; fair grazing.

8. Subdivision of Township 24 North, Range 14 West.

Chains.

- N. $89^{\circ}59'W.$ on a random line, bet. secs. 8 and 17.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.08 Intersect N. and S. line 3 lks. N. of cor. to secs. 7, 8, 17 and 18.
- Thence I run,
East on a true line, bet. secs. 8 and 17.
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., marked on brass cap, $\frac{1}{4}$ S 8 in N., and S 17 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 64.50 Center of Truxton Wash, 3 chs. wide, course N. $30^{\circ}W.$
- 80.08 The cor. of secs. 8, 9, 16 and 17.
Land, level valley.
Soil, loose sandy loam.
Fair grazing.
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- May 12, 1911: I set off $18^{\circ}00'$ N. on the decl. arc, and at 11h.56m. a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $35^{\circ}29'N.$
N. $0^{\circ}1'$ E., bet. secs. 8 and 9.
Over gently rolling land.
- 21.00 Wash, 20 lks. wide, course S. $70^{\circ}W.$
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 8 in W., and S 9 in E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Enter dense cactus.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, marked on brass cap,
T 24 N, R 14 W in N. half;
S 5 in NW.,
S 4 in NE.,
S 9 in SE., and
S 8 in SW. quadrant; 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, gently rolling.
Soil, loose sandy loam; fair grazing.
-
- West on a random line, bet. secs. 5 and 8.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.08 Intersect N. and S. line 3 lks. N. of cor. of secs. 5, 6, 7 and 8.
- Thence I run,
N. $89^{\circ}59'E.$ on a true line, bet. secs. 5 and 8.
Over level valley land.
- 4.00 Enter Truxton Wash, course NW.
- 7.00 Leave wash; ascend gradually through dense cactus.
- 40.04 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 5 in N., and S 8 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 41.20 Dim road, brs. N. $10^{\circ}W.$ and S. $10^{\circ}E.$
- 80.08 The cor. of secs. 4, 5, 8 and 9.
Land, level and rolling.
Soil, loose sandy loam; fair grazing.
-

Chains.

N.0°1'E., bet. secs.4 and 5.
 Over gently rolling 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., marked on brass cap, $\frac{1}{4}$ S 5 in W., and S 4 in E.half; dig pits 18x18x12 ins. N.and S.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,W.of cor.
 43.35 Wash, 50 lks.wide, course W.
 88.95 Intersect Sixth Standard Parallel North, 19.40 chs.E $\frac{1}{2}$ of Standard $\frac{1}{4}$ sec.cor. on S.bdy.of sec.33.
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor.of secs.4 and 5, marked on brass cap,
 C C, S.of center,
 T 25 N, R 14 W, S 33, S 34 in N.half;
 S 4 in SE., and
 S 5 in SW. quadrant; dig pits 24x18x12 ins.cross-wise on each line E.and W. 3 ft. and S.of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high,S.of cor.
 Land, gently rolling.
 Soil, sandy loam; fair grazing.

 From the cor.of secs. 3,4,33 and 34 on the S.bdy., I run, N.0°2' E., bet. secs. 33 and 34.
 Over rolling 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., marked on brass cap, $\frac{1}{4}$ S 33 in W., and S 34 in E.half; dig pits 18x18x12 ins. N.and S.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,W.of cor.
 56.23 Hackberry road, bears N.40°W. and 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. 27,28,33 and 34, marked on brass cap,
 T 24 N, R 14 W in N.half;
 S 28 in NW.,
 S 27 in NE.,
 S 34 in SE., and
 S 33 in SW. quadrant; 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, nearly level.
 Soil, sandy loam; fair grazing.

 West, on a random line, bet. secs.28 and 33.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.00 Intersect N.and S. line 3 lks.S.of cor. of secs. 28,29, 32 and 33.
 Thence I run,
 S.89°59'E., on a true line, bet. secs.28 and 33.
 Over smooth land, through dense cactus.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 28 in N., and S 33 in S.half; dig pits 18x18x12 ins. E.and W.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high.N.of cor.
 63.10 Road to Hackberry, bears N.40°W. and S.40°E.
 80.00 The cor.of secs. 27,28, 33 and 34.
 Land, smooth, nearly level.

Chains.

Soil, sandy loam, with heavy clay sub-soil.
Fair grazing.

N.0°2' E., bet. secs. 27 and 28.

Over level land.

- 3.00 Edge of bank of Truxton Wash, 15 ft. high, bears NW. and SE.
- 4.00 Center of wash, course NW.
- 5.00 NE. bank of wash.
- 40.00 Wash, 100 lks. wide, course S.80°W.
- 44.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap,
W C $\frac{1}{4}$ in N. half,
S 28 in SW., and
S 27 in SE. quadrant; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 48.41 Road to Hackberry, bears N.25°W. and S.25°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, marked on brass cap,
T 24 N R 14 W in N. half;
S 21 in NW.,
S 22 in NE.,
S 27 in SE., and
S 28 in SW. quadrant; 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, nearly level.
Soil, loose sandy loam.
Fair grazing.

May 12, 1911.

May 13, 1911: At 8:00 a.m., l.m.t., I set off 35°27' N. on the lat. arc; 18°13' N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28.

Thence I run,

N.89°59' W., on a random line, bet. secs. 21 and 28.

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

- 79.98 Intersect N. and S. line 7 lks. S. of cor. of secs. 20, 21, 28 and 29.

Thence I run,

S.89°56' E. on a true line, bet. secs. 21 and 28.

Over level land.

- 38.00 Center of Truxton Wash, 3 chs. wide, course N.15°W.

- 39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 21 in N., and
S 28 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

- 64.15 Old road, bears N.15°W. and S.30°E.

- 79.98 The cor. of secs. 21, 22, 27 and 28.

Land, level.

Soil, sandy loam; fair grazing.

N.0°2' E., bet. secs. 21 and 22.

Over gently rolling land.

- 27.00 Wash, 50 lks. wide, course W.

Subdivision of Township 24 North, Range 14 West.

11.

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., marked on brass cap,
 $\frac{1}{4}$ S 21 in W., and
 S 22 in E.half; dig pits 18x18x12 ins., N.and S.of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,W.of cor.
- 68.61 Wash, 25 lks.wide, course W.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor.of secs. 15,16,21 and 22, marked on brass cap,
 T 24 N, R 14 W in N.half;
 S 16 in NW.,
 S 15 in NE.,
 S 22 in SE., and
 S 21 in SW. quadrant; 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 gently.
 Soil, sandy loam; fair grazing.

- 40.00 N.89°56'W., on a random line, bet. secs.16 and 21.
 Set temp. $\frac{1}{4}$ sec.cor.
- 80.02 Intersect N.and S. line 5 lks.N.of cor. of secs. 16,17, 20 and 21.
 Thence I run,
 S.89°58'E., on a true line bet. secs.16 and 21.
 Over level land.
- 22.00 Center of Truxton Wash 200 lks.wide, course N.30°W.
- 38.16 Old road, brs.N.30°W. and S.30°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., marked on brass cap,
 $\frac{1}{4}$ S 16 in N., and
 S 21 in S.half; dig pits 18x18x12 ins. E.and W.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of cor.
- 60.00 Wash, 20 lks.wide, course S., 60°W.
- 80.02 The cor.of secs. 15,16,21 and 22.
 Land, nearly level.
 Soil, sandy loam.
 Fair grazing.

- N.0°2' E., bet. secs.15 and 16.
 Over gently rolling land.
- 6.00 Wash, 50 lks.wide, course W.
- 10.80 Wash, 50 lks.wide, course S.50° W.
- 40.00 Wash, 100 lks.wide, course SW.
- 41.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for witness cor. to $\frac{1}{4}$ sec.cor., marked on brass cap,
 W C $\frac{1}{4}$ in N.half;
 S 15 in SE., and
 S 16 in SW. quadrant; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft. high,W.of cor. Pits impracticable.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor.of secs. 9,10,15 and 16, marked on brass cap,
 T 24 N, R 14 W in N.half;
 S 9 in NW.,
 S 10 in NE.,
 S 15 in SE., and
 S 16 in SW. quadrant; 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.

12. Subdivision of Township 24 North Range 14 West.

Chains.

Land, gently rolling.
Soil, sandy loam. Fair grazing.
May 13, 1911. I set off $18^{\circ} 15' N.$ on the decl. arc; and
at 11h. 56m. a.m., l.m.t., observe the sun on the meri-
dian. The resulting lat. is $35^{\circ} 29' N.$

40.00 N. $89^{\circ} 58' W.$ on a random line, bet. secs. 9 and 16.
Set temp. $\frac{1}{4}$ sec. cor.
80.04 Intersect N. and S. line 9 lks. N. of cor. of secs. 8, 9, 16
and 17.

Thence I run,
N. $89^{\circ} 58' E.$, on a true line bet. secs. 9 and 16.
Over rolling land; ascend.
40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 9 in N., and
S 16 in S. half; dig pits 18x18x12 ins. E. and W. of
post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft. high, N. of cor.

47.20 Wash, 15 lks. wide, course SW.
80.04 The cor. of secs. 9, 10, 15 and 16.
Land, gently rolling.
Soil, sandy loam; fair grazing.

N. $0^{\circ} 2' E.$ bet. secs. 9 and 10.
Ascend over rolling land.
13.85 Wash, 20 lks. wide, course SW.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 9 in W., and
S 10 in E. half; dig pits 18x18x12 ins. N. and S. of
post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft. high, W. of cor.
42.40 Wash, 30 lks. wide, course W.
46.00 Wash, 25 lks. wide, course SW.
59.75 Wash, 30 lks. wide, course W.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
the ground for cor. of secs. 3, 4, 9 and 10, marked on
brass cap,
T 24 N, R 14 W in N. half;
S 4 in NW.,
S 3 in NE.,
S 10 in SE., and
S 9 in SW. quadrant; and raise a mound of stone 2
ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land, rolling.
Soil, heavy disintegrated granite sand and gravel, with
heavy growth of Guayeta grass.

40.00 S. $89^{\circ} 58' W.$ on a random line, bet. secs. 4 and 9.
Set temp, $\frac{1}{4}$ sec. cor.
80.02 Intersect N. and S. line 9 lks. S. of cor. of secs. 4, 5, 8 & 9.
Thence I run,
S. $89^{\circ} 58' E.$, on a true line, bet. secs. 4 and 9.
Over rolling land.
20.00 Ascend SW. slope of granite hill.
23.00 Top of spur, near point, bears NE.
30.00 Top of butte 500 ft. high.
40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap

Chains.

$\frac{1}{4}$ S 4 in N., and
 S 9 in S. half; dig pits 18x18x12 ins. E. and W. of
 post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high, N. of cor.
 48.00 Ascend steep west slope of spur.
 55.00 Top of spur, bears N. and S., ends 30 chs. S.; descend.
 65.00 Wash, 25 lks. wide, course NE. to S.
 72.00 Wash, 25 lks. wide, course SW.
 80.00 The cor. of secs. 3, 4, 9 and 10.
 Land, hilly and rough.
 Soil, heavy disintegrated gravel; fair grazing.

N. $0^{\circ}2'E.$, bet. secs. 3 and 4.
 Over rolling land; ascend.
 7.20 Wash, 10 lks. wide, course SW.
 17.10 Wash, 20 lks. wide, course SW.; ascend over rocky E. slope
 of low granite mountain.
 30.00 Top of E. slope of spur, bears SW.; descend.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 4 in W.; and
 S 3 in E. half, and raise a mound of stone 2 ft. base,
 $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 43.20 Wash, 30 lks. wide, course NW.
 46.15 Wash, 20 lks. wide, course W.
 60.10 Wash, 25 lks. wide, course W.
 88.95 Intersect Sixth Standard Parallel North, 19.36 chs. east
 of standard $\frac{1}{4}$ sec. cor. on south bdy. sec. 34.
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground for closing cor. to secs. 3 and 4, marked
 on brass cap,
 C C S. of center,
 T 25 N, R 14 W, S 34, S 35 in N. half;
 S 3 in SE., and
 S 4 in SW. quadrant; dig pits 24x18x12 ins. cross-
 wise on each line, E. and W. 3 ft., and S. of post 7 ft.
 dist., and raise a mound of earth, 4 ft. base, 2 ft.
 high, S. of cor.
 Land, heavily rolling.
 Soil, disintegrated granite sand and gravel, with good
 growth of guayeta grass.

May 13, 1911.

May 14, 1911: At 8:00 a.m., l.m.t., I set off $18^{\circ}28'N.$
 on the decl. arc; $35^{\circ}25'N.$ on the lat. arc, at the cor.
 of secs. 2, 3, 34 and 35 on the S. bdy.
 Thence I run,
 N. $0^{\circ}3'E.$, bet. secs. 34 and 35.
 Over rolling land.
 4.95 Wash 30 lks. wide, course NE. to 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., marked on brass cap,
 $\frac{1}{4}$ S 34 in W., and
 S 35 in E. half; dig pits 18x18x12 ins. N. and S. of
 post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high, W. of cor.
 42.00 Wash 40 lks. wide, course W.
 79.90 Wash, 10 lks. wide, course SW.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in
 the ground for cor. of secs. 26, 27, 34 and 35, marked on
 brass cap,
 T 24 N, R 14 W in N. half;
 S 27 in NW.,
 S 26 in NE.,

14. Subdivision of Township 24 North, Range 15 West.

Chains.

S 35 in SE., and
S 34 in SW. quadrant, and raise a mound of stone 2
ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land, rolling.
Soil, sandy loam, mixed with gravel.
Fair grazing.

West, on a random line, bet. secs. 27 and 34.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.00 Intersect N. and S. line at cor. to secs. 27, 28, 33 and 34.
Thence I run,
East, on a true line, bet. secs. 27 and 34.
Over rolling land; ascend.
6.00 Enter Truxton Wash, course NW.
9.00 Leave wash.
22.10 Hackberry road, bears N. 20° W. and S. 20° E.
39.00 Wash, 20 lks. wide, course S. 50° 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., marked on brass cap,
 $\frac{1}{4}$ S 27 in N. and
S 34 in S. half; dig pits 18x18x12 ins. E. and W. of
post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft. high, N. of cor.
51.00 Wash, 20 lks. wide, course SW.
80.00 The cor. of secs. 26, 27, 34 and 35.
Land, rolling.
Soil, sandy loam, mixed with gravel; fair grazing.

N. $0^{\circ}3'$ E., bet. secs. 26 and 27.
Over rolling land.
19.00 Wash, 60 lks. wide, course SW.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 27 in W., and
S 26 in E. half; dig pits 18x18x12 ins. N. and S. of
post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft. high, W. of cor.
58.00 Wash, 60 lks. wide, course S. 50° W.
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, marked
on brass cap,
T 24 N, R 14 W in N. half;
S 22 in NW.,
S 23 in NE.,
S 26 in SE., end.
S 27 in SW. quadrant; 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, sandy loam, mixed with gravel; fair grazing.
May 14, 1911: I set off $18^{\circ}30'$ N., on the decl. arc,
and at 11h.56m. a.m., 1 m. t., observe the sun on the
meridian; the resulting lat. is $35^{\circ}27'$ N.

West, on a random line, bet. secs. 22 and 27.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.98 Intersect N. and S. line at cor. of secs. 21, 22, 27 and 28.
Thence I run,
East, on a true line, bet. secs. 22 and 27.
Over rolling land; ascend.
39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

Subdivision of Township 24 North, Range 14 West, 15.

Chains.

79.98 $\frac{1}{4}$ S 22 in N., and
 S 27 in S.half; dig pits 18x18x12 ins. E. and W. of
 post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
 $1\frac{1}{2}$ ft. high, N. of cor.
 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling.
 Soil, sandy loam, mixed with gravel; fair grazing.

N.0°3' E., bet. secs. 22 and 23.
 Over rolling land.
 27.40 Wash, 40 lks. wide, course NE. to 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., marked on brass cap,
 $\frac{1}{4}$ S 22 in W., and
 S 23 in E.half; dig pits 18x18x12 ins. N. and S. of
 post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high, W. of cor.
 58.00 Ascend steep S. slope of spur.
 65.00 Top of spur, brs. E. and W., ends about 8 chs. W.; descend.
 70.00 Foot of slope of spur.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in
 the ground for cor. of secs. 14, 15, 22 and 23, marked
 on brass cap,
 T 24 N, R 14 W in W.half;
 S 15 in NW.,
 S 14 in NE.,
 S 23 in SE., and
 S 22 in SW. quadrant; 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, 58 chs.
 Soil, sandy loam mixed with gravel.
 Land, mountainous, 22 chs.
 Soil, rocky; fair grazing.

40.00 West on a random line, bet. secs. 15 and 22.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line 3 lks. N. of cor. of secs. 15, 16, 21
 and 22.
 Thence I run,
 N.89°59'E., on a true line, bet. secs. 15 and 22.
 Over rolling land; ascend.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 15 in N., and
 S 22 in S.half; dig pits 18x18x12 ins. E. and W. of
 post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high, N. of cor.
 80.00 The cor. of secs 14, 15, 22 and 23.
 Land, rolling.
 Soil, sandy loam, mixed with gravel.
 Fair grazing.

May 14, 1911.

May 15, 1911: At 8:00 a.m., 1.m.t., I set off 35°28'N.
 on the lat. arc; 18°43'N. on the decl. arc, and deter-
 mine a meridian with the solar at the cor. of secs. 14,
 15, 22 and 23.
 Thence I run,
 N.0°3'E., bet. secs. 14 and 15.
 Over mountainous land; ascend.

16. Subdivision of Township 24 North, Range 14 West.

Chains.
 11.58 Top of spur, bears E., and ends 5 chs. W.; descend.
 18.00 Foot of spur, thence across rough, rocky land.
 36.50 Wash, 50 lks. wide, course W.; ascend steep slope.
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 15 in W., and S 14 in E. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 42.00 Top of spur, bears E., and ends 6 chs. W.; descend.
 50.00 Foot of descent; ascend.
 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, marked on brass cap, T 24 N, R 14 W in N. half; S 10 in NW., S 11 in NE., S 14 in SE., and S 15 in SW. quadrant; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 Land, mountainous.
 Soil, rocky, 4th rate; fair grazing.

S. $89^{\circ}59'$ W., on a random line, bet. secs. 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line 2 lks. S. of cor. to secs. 9, 10, 15 and 16.
 Thence I run,
 East, on a true line, bet. secs. 10 and 15.
 Over heavily rolling land; ascend.
 39.98 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 in N., and S 15 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 48.35 Wash, 20 lks. wide, course SW.
 60.00 Ascend over rough land.
 70.00 Top of ascent; descend to gulch.
 75.00 Gulch, 30 lks. wide, course SW.; ascend precipitously.
 79.96 The cor. of secs. 10, 11, 14 and 15.
 Land, heavily rolling; soil, sandy loam, mixed with gravel; fair grazing.

N. $0^{\circ}3'$ E., bet. secs. 10 and 11.
 Over mountainous land,
 5.00 Gulch, course SW.; ascend.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 in W., and S 11 in E. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 44.50 Gulch, course SW.
 78.00 Gulch, course SW.; ascend steep slope.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 2, 3, 10 and 11, marked on brass cap, T 24 N, R 14 W in N. half; S 3 in NW., S 2 in NE., and S 11 in SE., and S 10 in SW. quadrants, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky; fair grazing.

Chains.

May 15, 1911: I set off $18^{\circ}45'N.$ on the decl. arc; and at 11h.56m. a.m., l.m.t., observe the sun on the meridian; the resulting lat. is $35^{\circ}30'N.$
 West, on a random line, bet. secs. 3 and 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. and S. line 5 lks. N. of cor. of secs. 3, 4, 9 and 10.
 Thence I run,
 $N.89^{\circ}58'E.$, on a true line, bet. secs. 3 and 10.
 Over heavily rolling land; ascend.
 36.20 Wash, 20 lks. wide, course SW.
 39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 3 in N. half, and
 S 10 in S. half; dig pits $18 \times 18 \times 12$ ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 45.00 Wash, 150 lks. wide, course SW.
 50.00 Ascend abruptly W. slope of mountain, over huge boulders.
 79.98 The cor. of secs. 2, 3, 10 and 11.
 Land, heavily rolling, 50 chs.
 Soil, sandy loam, mixed with gravel.
 Land, mountainous, 30 chs.
 Soil, rocky; fair grazing.

 $N.0^{\circ}3'E.$, bet. secs. 2 and 3.
 Along rough west slope of high spur, over huge boulders; descend.
 30.00 Descend abruptly NW. slope.
 36.00 Foot of slope.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 3 in W., and
 S 2 in E. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 41.00 Wash, 50 lks. wide, course $S.65^{\circ}W.$
 45.00 Ascend steep rocky SW. slope.
 60.50 Top of spur, bears SW. and NE.; descend.
 70.00 Gulch, course SW.; ascend.
 88.89 Intersect Sixth Standard Parallel North 19.32 chs. E. of Standard $\frac{1}{4}$ sec. cor. on S. bdy. of sec. 35.
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 2 and 3, marked on brass cap,
 C C, S. of center,
 T 25 N, R 14 W, S 35, S 36 in N. half;
 S 2 in SE., and
 S 3 in SW. quadrant, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.
 Land, mountainous.
 Soil, rocky, 4th rate.
 May 15, 1911.

 May 16, 1911: At 8:00 a.m., l.m.t., I set off $35^{\circ}25'N.$ on the lat. arc; $18^{\circ}57'N.$ on the decl. arc, and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36 on the S. bdy.
 Thence I run,
 $N.0^{\circ}3'E.$, bet. secs. 35 and 36.
 Over mountainous land; ascend.
 20.00 Top of ascent; descend.
 26.00 Gulch, course $S.50^{\circ}W.$; ascend steep slope.

18. Subdivision of Township 24 North, Range 14 West.

Chains.

- 30.00 Top of ridge, brs.SW.and NE.; descend.
 39.00 Gulch, 50 lks.wide, course SW.; ascend steep slope.
 40.00 Set an iron post 3 ft. long., 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 35 in W., and S 36 in E.half, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W.of cor.
 44.00 Top of spur, brs.E.and W.; descend.
 50.00 Foot of descent.
 52.00 Wash, 50 lks.wide, course SW.
 64.00 Ascend.
 70.00 Ascend precipitously.
 76.00 Top of spur, bears NE.and SW.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor.of secs.25,26,35 and 36, marked on brass cap,
 T 24 N, R 14 W in N.half;
 S 26 in NW.,
 S 25 in NE.,
 S36 in SE., and
 S 35 in SW. quadrant; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft. high,W.of cor. Pits impracticable.
 Land, mountainous.
 Soil, rocky, 4th rate.

- West, 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 cor. of secs.26,27, 34 and 35.
 Thence I run,
 S.89°58'E., on a true line, bet. secs.26 and 35.
 Over heavily rolling land; ascend.
 00.20 Wash, 10 lks.wide, course SW.
 22.00 Ascend over mountainous land.
 25.00 Top of point of spur, bears NE.; descend.
 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 26 in N.; and S 35 in S.half, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high,N.of cor. Pits impracticable.
 41.00 Gulch, 20 lks.wide, course SW.; ascend steep slope.
 52.74 Top of spur, bears S.20°W., ends 20 chs. SW.; descend.
 56.00 Foot of descent.
 61.50 Wash, 50 lks.wide, course SW.
 68.00 Ascend precipitous W. slope.
 80.02 The cor.of secs.25,26,35 and 36.
 Land, heavily rolling, 22 chs.
 Land, mountainous, 58 chs.
 Soil, rock, 4th rate; fair grazing.

- East, on a true line, bet. secs.25 and 36.
 Ascend steep slope.
 15.00 Top of high, rocky spur, bears NE.and SW.
 16.20 Descend precipitously.
 30.00 Gulch, 250 ft. deep, course SW.; ascend precipitously.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap
 $\frac{1}{4}$ S 25 in N., and
 S 36 in S.half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high,N.of cor.
 45.72 Intersect W.bdy. of T.24 N., R.13 W., 8.70 chs.S.of cor. of secs.30 and 31, the markings of which I change.

Chains.

to refer to the east township only.
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. to secs. 25 and 36, marked on brass cap,
 T 24 N in N., and
 S 30, S 31, R 13 W in E. half;
 S 25 in NW., and
 S 36, R 14 W in SW. quadrant, and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 May 16, 1911: I set off 18°59'N. on the decl. arc, and at 11h.56m.a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 35° 26'N.

N.0°3'E., bet. secs.25 and 26.
 Over mountainous land.
 4.00 Gulch, course W.; ascend precipitously.
 18.00 Top of high, rocky, granite spur, bears NE. and SW.; descend.
 32.00 Enter draw,
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 26 in W., and S 25 in E. half; and raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
 42.00 Ascend steep slope.
 48.00 Top of spur, brs. N.70°E. and S.70°W.; descend.
 54.00 Gulch, 100 lks. wide, course S.65°W.; ascend.
 58.00 Top of spur, brs. E. and W.; descend.
 63.00 Gulch, 40 lks. wide, course W.; ascend.
 67.00 Top of spur, brs. E. and W.; descend.
 72.00 Enter draw.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. to secs. 23, 24, 25 and 26, marked on brass cap,
 T 24 N, R 14 W in N. half;
 S 23 in NW.,
 S 24 in NE.,
 S 25 in SE., and
 S 26 in SW. quadrant; dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.

N.89° 58'W., on a random line, bet. secs. 23 and 26.
 40.00 Set temp. ¼ sec. cor.
 80.04 Intersect N. and S. line 3 lks. N. of cor. of secs. 22, 23, 26 and 27.
 Thence I run,
 S.89°59'E., on a true line, bet. secs. 23 and 26.
 Over heavily rolling land.
 38.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for witness cor. to ¼ sec. cor., marked on brass cap,
 W C ¼ in E. half,
 S 23 in NW., and
 S 26 in SW. quadrant; and raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
 40.02 Point for ¼ sec. cor. comes in wash.
 41.50 Wash, 4 chs. wide, course S.60°W.
 48.00 Wash, 50 lks. wide, course S.60°W.

20. Subdivision of Township 24 North, Range 14 West.

Chains.

80.04 The cor. of secs. 23, 24, 25 and 26.
Land, heavily rolling.
Soil, disintegrated granite sand and gravel; fair grazing.

East, on a true line, bet. secs. 24 and 25.
Over heavily rolling land; ascend.

15.00 Ascend abruptly over mountainous land.

34.60 Top of granite peak, bears N. 3 chs. dist.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 in N., and S 25 in S. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

45.70 Intersect W. bdy. of T. 24 N., R. 13 W., 8.66 chs. south of cor. of secs. 19 and 30, the markings of which I change to refer to the east township only.
Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. to secs. 24 and 25, marked on brass cap,
T 24 N in N., and
S 19, S 30, R 13 W in E. half;
S 24 in NW., and
S 25 in SW. quadrant; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land, heavily rolling, 15 chs.
Land, mountainous, 30.70 chs.
Soil, rocky, 4th rate; fair grazing.

May 16, 1911.

May 17, 1911: At 8:00 a.m., l.m.t., I set off $35^{\circ}27'N.$ on the lat. arc; $19^{\circ}11'N.$ on the decl. arc, and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26.
Thence I run,
N. $0^{\circ}3' E.$, bet. secs. 23 and 24.
Over heavily rolling, stony land.

13.00 Wash, 30 lks. wide, course W.

15.00 Wash, 30 lks. wide, course S. $60^{\circ}W.$

32.00 Ascend over mountainous 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., marked on brass cap, $\frac{1}{4}$ S 23 in W., and S 24 in E. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

50.00 Ascend precipitous NW. slope.

60.00 Top of high spur, bears SE.; descend NE. slope.

70.00 Proceed along E. slope.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 13, 14, 23 and 24, marked on brass cap,
T 24 N, R 14 W in N. half;
S 14 in NW.,
S 13 in NE.,
S 24 in SE., and
S 23 in SW. quadrant, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land, heavily rolling, 32 chs.
Land, mountainous, 48 chs.
Soil, rocky, 4th rate.

N. $89^{\circ}59'W.$, on a random line, bet. secs. 14 and 23.

Chains.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect N. and S. line 3 lks. S. of cor. of secs. 14, 15, 22 and 23; thence I run, S. $89^{\circ}58'E.$, on a true line, bet. secs. 14 and 23. Ascend over stony land.
 12.00 Ascend west slope of mountain steeply.
 36.00 Top of saddle in spur bears SW. and NE. Peak 6 chs. SW. and 10 chs. NE.; thence along precipitous slope.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 14 in N., and S 23 in S. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 51.00 Top of spur, bears N. and SW.; descend.
 60.00 Head of gulch, course S. $15^{\circ} W.$; ascend.
 74.00 Top of high rocky spur, bears NE. and SW.; descend steep SE. slope.
 80.02 Cor. of secs. 13, 14, 23 and 24
 Land, mountainous; soil, rocky, 4th rate.

- East, on a true line, bet. secs. 13 and 24.
 Over mountainous land; descend.
 20.00 Gulch, course S.; ascend steep stony W. slope.
 35.00 Point on line; top of spur, bears SW. and NE.; descend.
 40.00 Set an iron post 3 ft. long, 3 ins. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 in N., and S 24 in S. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 45.60 Intersect W. bdy. of T. 24 N., R. 13 W., 8.62 chs. S. of cor. to secs. 18 and 19, the markings of which I change to refer to the east township only.
 Set an iron post 3 ft. long, 2 ins. in diam., 26 ins. in the ground for closing cor. to secs. 13 and 24, marked on brass cap,
 C C, E. of center,
 T 24 N in N., and
 S 18, S 19 in E. half;
 S 13 in NW., and
 S 24 in SW. quadrant; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, mountainous; soil, rocky, 4th rate.

- May 17, 1911: I set off $19^{\circ}13' N.$ on the decl. arc; and at 11h. 56m. a.m., 1 m. t., observe the sun on the meridian; the resulting lat. is $35^{\circ}28' N.$
 $N. 0^{\circ}3' E.$, bet. secs. 13 and 14.
 Over mountainous land; ascend steep SE. slope.
 20.00 Top of spur, bears SE. and NW.; thence along E. slope of high, rocky spur.
 40.00 Set a granite rock, 24x15x6 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 55.00 Top of high ridge, bears SW. and SE.; descend steep slope.
 68.00 Gulch, 50 lks. wide, course W.; ascend steep SW. slope.
 80.00 Set a granite rock 24x12x8 ins. in a mound of stone for cor. of secs. 11, 12, 13 and 14, marked with 4 notches on S. and 1 notch on east edges, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
-

22. Subdivision of Township 24 North, Range 14 West.

Chains.

- N.89°58'W. on a random line, bet. secs. 11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.04 Intersect N and S. line at cor.of secs. 10,11,14 and 15.
 Thence I run,
 S.89°58'E., on a true line, bet. secs.11 and 14.
 Over mountainous land; ascend.
 38.00 Top of spur, thence along S. slope of same.
 40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., marked on brass cap,
 $\frac{1}{4}$ S 11 in N., and
 S 14 in S.half; and raise a mound of stone 2 ft.
 base, $1\frac{1}{2}$ ft. high,N.of cor. Pits impracticable.
 50.00 Head of gulch, course SW.; ascend precipitous SW. slope.
 65.00 Top of high rocky spur, 2000 ft. above valley, bears SW.
 and NE.; descend.
 75.00 Gulch, 50 lks.wide, course S.20° W., drops into canyon 10
 chs. S., and runs SW.; ascend.
 80.04 The cor.of secs. 11,12,13 and 14.
 Land, mountainous.
 Soil, rocky, 4th rate.

May 17, 1911.

May 18, 1911: At 8:00 a.m., l.m.t., I set off 35°29'N.
 on the lat.arc; 19°24'N. on the decl.arc; and deter-
 mine a meridian with the solar at the cor.of secs.11,
 12, 13 and 14.

- Thence I run,
 East, on a true line, bet. secs.12 and 13.
 Over mountainous land; ascend over SW. slope.
 20.00 Top of ascent; thence along S.slope.
 40.00 Set a granite rock 24x14x10 ins. in a mound of stone for
 $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face, and raise a mound of
 stone 2 ft. base, $1\frac{1}{2}$ ft. high,N.of cor.
 41.50 Gulch, course S.; ascend abruptly.
 45.48 Intersect W. bdy. of T.24 N., R.13 W., 8.48 chs. south of
 cor. to secs.7 and 18, the markings of which I change
 to refer to the east township only.
 Set a granite rock, 24x12x10 ins. in a mound of stone
 for closing cor. of secs. 12 and 13, marked
 C C on W.,
 4 grooves on S., and
 2 grooves on N.face, and raise a mound of stone 2 ft.
 base, $1\frac{1}{2}$ ft. high,W.of cor. Impracticable to set iron post.
 Land, mountainous.
 Soil, rocky, 4th rate.

-
- N.0°3'E., bet. secs.11 and 12.
 Over mountainous land; descend.
 10.00 Gulch, 30 lks.wide, course S.30°W.; ascend SE.slope.
 20.00 Top of slope; descend.
 36.00 Gulch, 50 lks.wide, course SW.; ascend steep slope.
 40.00 Set a granite rock 30x14x10 ins., in a mound of stone for
 $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of
 stone 2 ft. base, $1\frac{1}{2}$ ft. high,W.of cor.
 55.00 Top of rim, brs.E.and W.; peak 10 chs.W.; descend precip-
 itous N.slope.
 80.00 Set a granite stone 30x16x10 ins., in a mound of stone
 for cor.of secs. 1,2,11 and 12, marked with 5 notches
 on S. and 1 notch on E.edges, and raise a mound of
 stone 2 ft.base, $1\frac{1}{2}$ ft. high,W.of cor. Pits impracti-
 cable. Iron posts impracticable.
 Land, mountainous.
 Soil, rocky, 4th rate.
-

Chains.

N.89° 58' W., on a random line, bet. secs.2 and 11.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.02 Intersect N.and S.line 3 lks.S.of cor. of secs. 2,3,10 and 11.
 Thence I run,
 S.89°57'E., on a true line, bet. secs.2 and 11.
 40.01 Over steep rocky, SW.slope of mountain; ascend, angle 29°. Top of high spur bears NW.and SE., -sharp hog-back. Set a granite rock 26x16x12 ins. in a mound of stone for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face, and raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft. high,N.of cor. Descend abruptly to canyon.
 62.00 Bottom of canyon, 600 ft. deep, course NW.; ascend steep rocky slope.
 80.02 The cor. to secs.1,2,11 and 12.
 Land, mountainous.
 Soil, rocky, 4th rate.
 May 18,1911: I set off 19° 26'N. on the decl.arc, and at 11h.56m.a.m.,1.m.t., observe the sun on the meridian; the resulting lat. is 35°30' N.

 East, on a true line, bet. secs.1 and 12.
 Over mountainous land; ascend steep slope.
 15.00 Top of high mountain range; thence over rough mountainous land; descend.
 40.00 Set a granite rock 26x12x6 ins. in a mound of stone for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft. high,N.of cor.
 45.46 Intersect W.bdy.of T.24 N.,R.13 W., 8.40 chs. south of cor. to secs.6 and 7, the markings of which I change to refer to the east township only.
 Set a granite 36x14x8 ins. in a mound of stone for closing cor.to secs. 1 and 12, marked C C on W., 5 grooves on S. and 1 groove on N.faces, and raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft.high,W.of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Impracticable to set iron posts.

 N.0°3' E., bet. secs. 1 and 2.
 Over rough steep SW.slope; ascend.
 40.00 Set a granite 40x26x16 ins., in a mound of stone for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face, and raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft. high, W.of cor.
 50.00 Descend precipitously.
 55.00 Bottom of gulch, course W.; ascend steep rocky S. slope.
 76.00 Top of rocky spur, bears E.and W.; descend.
 85.00 Gulch, course W.
 88.92 Intersect Sixth Standard Parallel North, 19.24 chs.east of standard $\frac{1}{4}$ sec.cor. on S.bdy.of sec.36.
 Set a granite rock 26x14x6 ins. in a mound of stone for closing cor.of secs. 1 and 2, marked
 C C on S.,
 1 groove on E., and
 5 grooves on W.faces, and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high,S.of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.

May 18, 1911.

GENERAL DESCRIPTION.

The two eastern tiers of this township are exceedingly rough, lying as they do among the rugged spurs of the northern end of the Music Mountains. The balance of the township is gently rolling and nearly level, with the exception of some low, granite hills, lying in secs. 4 and 9. Truxton Wash passes through the township in a northwesterly direction. The banks of this wash are of a firm clay and have a vertical height of from 4 to 8 ft. The soil, east of Truxton Wash is generally of a loose, sandy loam mixed with granite gravel, while west of the wash it is a sandy loam, with a stiff clay sub-soil. There is no living water in the township, except at the east boundary of sec. 24, where a little water shows in the wash. The Santa Fe R.R. passes through the southern parts of secs. 31 and 32. In the SW. quarter of sec. 31 is the R.R. station of Antares. There are no settlers in the township. The township as a whole produces a good growth of bunch and guayeta grass.

W. J. Factor
U. S. Transitman.

188 25

APPROVAL.

BOOK 2317

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Ariz March 25, 1912

The foregoing field notes of the survey of

the subdivision of T 24 N. R. 4 W.

G. O. R. Meridian, Arizona

executed by

W. D. DeCar, U. S. Surveyor

under his special instructions dated

Sept. 16,

1910, having been

critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank A. Ingalls

U. S. Surveyor General.