

3148

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4-679

BOOK 3148

Book "P"
(Subdivisions)

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES

of

TOWNSHIP 24 NORTH, RANGE 21 WEST.

3148

3148

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Guy H. Richardson, U.S. Surveyor.

and

ok Hugo Price, U.S. Transitman.

In the presence of _____, under instructions dated Jan. 6, 1915,

issued by the United States Surveyor General to govern surveys included in

Group No. 44, which were approved by the Commissioner of the General Land

Office, January 26, 1915.

Survey commenced February 5, 1916.

Survey completed February 19, 1916.

Executed under Assignment
Instructions dated Nov. 29, 1914.

(1A)

BOOK 3148

3148
Book "P"

(Subdivisions)

Group 44

T. 24 N.-R. 21 W.

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Subdivision of T. 24 N. R. 21 W.

16

Chains

Survey commenced Feb. 5, 1916, and executed jointly by Guy H. Richardson, U. S. Surveyor, and Hugo, Price, U. S. Transitman. Instruments used are described, with record of approval by the assistant supervisor of surveys and field tests, in Book "A".

All measurements made with steel tapes and clinometers.

The initials "G. H. R." and "H. P." are inserted in the following notes at the beginning and ending of those portions of the notes describing the surveys executed by Guy H. Richardson and Hugo Price, respectively.

G. H. R.
H. P.

G. H. R.

Feb. 7, 1916.

I begin at the cor. of secs. 1, 2, 35 and 36, on the S. bdy of Tp. described in Book "A," where

At 8h 30m a.m., l.m.t., I set off 35°25' on the lat. arc; 15°32½' S. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 1, 2, 35 and 36.

Thence I run

N.0°01'W., bet. secs. 35 and 36, over mountainous land, through scattering undergrowth. Asc. SE. slope.

30.00 Spur, 100 ft. above sec. cor., extends E.; desc. NE. slope 95 ft. to

34.25 Wash, 25 lks. wide, course S.70°E.; asc. SE. slope 75 ft. to

40.00 On spur extending E., Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground and 20 ins. in a mound of stone, for ¼ sec. cor., with brass cap, marked

¼ in N.,
S 35 in W., and
S 36 in E. half; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.

42.99 Desc. 60 ft. to Wash, 15 lks. wide, course SW to this station and thence SE. (at bend); asc. broken E. slope 180 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, on bed rock, for cor. of secs. 25, 26, 35 and 36, with brass cap, marked

T 24 N S 26 in NW.,
R 21 W S 25 in NE.,
S 36 in SE., and
S 35 in SW. quadrant; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to dig pits or set cor. in the ground.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, catclaw and cactus.

At this cor. I set off 15°30½' S. on the decl. arc; and at apparent noon observe the sun on the meridian. The resulting lat. is 35°26'.

Chains
 40.00 East, on a random line, bet, secs. 25 and 36.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Intersect E. bdy. of Tp. 17 lks, S. of cor. of secs.
 25, 30, 31 and 36, described in Book "A".
 Thence I run
 S. $89^{\circ}53'W.$, on a true line, bet. secs. 25 and 36,
 over mountainous land, through scattering undergrowth.
 10.80 Wash. 2 chs. wide, course S. $20^{\circ}E.$; road to Lost Cabin
 Spring, in wash, bears N. $20^{\circ}W.$, and S. $20^{\circ}E.$
 115 ft. below sec. cor.
 Asc. NW. slope 210 ft. to
 32.00 Spur extends SE.; asc. 90 ft. to
 39.30 Same spur extends NE.
 40.10 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
 ground and 16 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked
 $\frac{1}{4}$ S 25 in N. half,
 S 36 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.
 Desc. NW. slope 90 ft. to
 46.00 Head of draw, course N.; asc. 135 ft. to
 58.40 N. slope of butte, 4 chs. S. of line.; desc. NW. slope
 90 ft. to
 65.40 Head of wash, course N.; asc. NE. slope 75 ft. to
 71.00 Ridge bears NW. and SE.; desc. SW. slope 50 ft. to
 75.20 Head of wash, course S.; asc. SE. slope 25 ft. to
 80.20 The cor. of secs. 25, 26, 35 and 36.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, juniper, cactus and catclaw.

 N. $0^{\circ}01'W.$, bet. secs. 25 and 26,
 over mountainous land, through scattering undergrowth.
 Asc. S. slope 150 ft. to
 9.60 Ridge bears NW. and SE.; desc. NE. slope, 180 ft. to
 20.75 Wash, 30 lks. wide, course E.; asc. SE. slope 70 ft. to
 29.25 Small spur extends E.; desc. NW. slope 35 ft. to
 34.25 Wash, course SE.; asc. SW. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, on bed rock, for $\frac{1}{4}$ sec. cor., with brass cap,
 marked
 $\frac{1}{4}$ in N.,
 S 25 in E., and
 S 26 in W. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. in the
 ground.
 42.40 Spur, 70 ft. above wash, course SE.; desc. NW. slope 90 ft.
 to
 49.80 Wash, 2 chs. wide, course SE.; leave mountainous land;
 thence over rolling hills. Asc. gradually 200 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the
 ground and 4 ins. in a mound of stone, for cor. of secs.
 23, 24, 25 and 26, with brass cap, marked
 T 24 N S 23 in NW.,
 R 21 W S 24 in NE.,
 S 25 in SE., and
 S 26 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. fare
 ther in the ground.
 Land, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber. Undergrowth, catclaw, juniper and paloverde.

Subdivision of T. 24 N., R. 21 W.

Chains
 40.00 East, on a random line, bet. secs. 24 and 25.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Intersect E. bdy. of T. 20 lks. S. of the cor. of secs. 19, 24, 25 and 30, described in Book "A".
 Thence I run
 S. $89^{\circ}51'W.$, on a true line, bet. secs. 24 and 25,
 over rolling land, through scattering undergrowth.
 40.10 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S. 24 in N. half,
 S 25 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 Asc. gradual NE. slope.
 58.40 Ridge bears NW. and SE.; desc. SW. slope 70 ft. to
 80.20 The cor. of secs. 23, 24, 25 and 26.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, juniper, catclaw, spanish gagger, cactus
 and sagebrush.
 Feb. 7, 1916.

 Feb. 8, 1916.
 At 9h 00m a.m., l.m.t., I set off $35^{\circ}27'$ on the lat arc;
 $15^{\circ}13\frac{1}{2}'$ S. 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. $0^{\circ}01'W.$, bet. secs. 23 and 24,
 over rolling land, through scattering undergrowth.
 Asc. S. slope 80 ft. to
 19.90 Ridge bears E. and W.; desc. gradually on N. slope 100 ft.
 to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 23 in W., and
 S 24 in E. half; and
 1916 in S. rim;
 and raise a mound of stone, 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. 13, 14, 23 and 24, with brass
 cap, marked
 T 24 N S 14 in NW.,
 R 21 W S 13 in NE.,
 S 24 in SE., and
 S 23 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, juniper, greasewood and cactus.
 At this cor. I set off $15^{\circ}12'$ S. on the decl. arc; and at
 apparent noon observe the sun on the meridian. The
 resulting lat. is $35^{\circ}27\frac{1}{2}'$.

 40.00 East, on a random line, bet. secs. 13 and 24.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.16 Intersect E. bdy. of Tp. 28 lks. S. of the cor. of secs. 13, 18, 19 and 24, described in Book "A".
 Thence I run
 S. $89^{\circ}48'W.$, on a true line, bet. secs. 13 and 24,
 over rolling land, through scattering undergrowth.

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Subdivision of T. 24 N., R. 21 W.

Chains

- Asc. gradual NW. slope.
- 40.08 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 13 in N. half,
 S 24 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
- 80.16 The cor. of secs. 13, 14, 23 and 24.
 Land, rolling.
 Soil, gravelly loam; 3rd rate.
 No timber.
 Undergrowth, greasewood, juniper and cactus.
-
- N.0°01'W., bet. secs. 13 and 14,
 over rolling land, through scattering undergrowth.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground and 14 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 13 in E., and
 S 14 in W. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. in ground.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, with brass cap, marked
 T 24 N S 11 in NW.,
 R 21 W S 12 in NE.,
 S 13 in SE., and
 S 14 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling.
 Soil, gravelly; 3rd and 4th rate.
 No timber.
 Undergrowth, greasewood, juniper, catclaw, cactus and sage.
-
- East, on a random line, bet. secs. 12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.08 Intersect E. bdy. of Tp. 30 lks. S. of the cor. of secs. 7, 12, 13 and 18, described in Book "A".
 Thence I run
 S.89°47'W., on a true line, bet. secs. 12 and 13,
 over rolling land, through scattering undergrowth.
- 40.04 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 12 in N. half,
 S 13 in S. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
- 80.08 The cor. of secs. 11, 12, 13 and 14.
 Land, rolling.
 Soil, sandy and gravelly; 3rd and 4th rate.
 No timber.
 Undergrowth, greasewood, cactus, juniper, catclaw and sage.
 Feb. 8, 1916.
-
- Feb. 9, 1916.
 At 8h 00m a.m., l.m.t., I set off 35°28 $\frac{1}{2}$ ' on the lat. arc;
 14°54 $\frac{1}{2}$ ' S. on the decl. arc; and determine a meridian
 with the solar at the cor. of secs. 11, 12, 13 and 14.

Chains

Thence I run N.0°01'W., bet. secs. 11 and 12,
 over rolling land, through scattering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in. N.,
 S 11 in W., and
 S 12 in E. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 76.98 Road from Chloride to Colorado river bears E. and W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 1, 2, 11 and 12, with brass
 cap, marked
 T 24 N., S 2 in NW.,
 R 21 W S 1 in NE.,
 S 12 in SE., and
 S 11 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 Land, mountainous.
 Soil, gravelly; 4th rate.
 No timber.
 Undergrowth, juniper, greasewood and cactus.

East, on a random line, bet. secs. 1 and 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect E. bdy. of Tp. 12 lks. S. of the cor. of secs.
 1, 6, 7 and 12, described in Book "A".
 Thence I run
 S.89°55'W., on a true line, bet. secs. 1 and 12,
 over rolling land, through scattering undergrowth.
 15.00 Road from Chloride to Colorado river bears N.85°W., and
 S.85°E.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 1 in N. half,
 S 12 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.
 61.00 Road from Chloride to Colorado river bears N.80°E. and
 S.80°W.
 80.00 The cor. of secs. 1, 2, 11 and 12.
 Land, rolling.
 Soil, gravelly, 3rd. rate.
 No timber.
 Undergrowth, greasewood, juniper, catclaw and cactus.

N.0°01'W., on a true line, bet. secs. 1 and 2,
 over rolling land, through scattering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
 ground and 8 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 1 in E., and
 S 2 in W. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.
 45.75 Wash, 100 lks. wide, course N.
 70.90 Intersect 6th standard parallel N., 16.04 chs. E. of the
 standard cor. of secs. 35 and 36, which is an iron post,
 3 ins. diam., with brass cap, properly marked and witnessed
 (established under current Group No.45).

Chains

as described by the surveyor general.

At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground and 18 ins. in a mound of stone, for closing cor. of secs. 1 and 2, with brass cap, marked

T 25 N R 21 W S. 36 in N. half,
66 in S. half,
S 1 R 21 W in SE., and
S 2 T 24 N in SW. quadrant; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor. Impracticable to dig pits or set cor. farther in the ground.

Land, mountainous.

Soil, gravelly; 3rd rate.

No timber.

Undergrowth, juniper, greasewood and cactus.

Feb. 9, 1916.

G. H. R.

H. P.

Feb. 8, 1916.

At 9h 00m a.m., l.m.t., I set off 35°25' on the lat arc; 15°13½' S. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 2, 3, 34 and 35, on S. bdy. of Tp., described in Book "A".

Thence I run

N. 0°01' W., bet. secs. 34 and 35,
over mountainous land, through scattering undergrowth.

.20

Spur extends W.; desc. 140 ft. to

4.50

Ravine, course W.; asc. S. slope 470 ft. to

23.10

Spur extends NW.; desc. NE. slope 290 ft. to

37.15

Ravine, course W.; asc. SW. slope.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground and 16 ins. in a mound of stone, for ¼ sec. cor., with brass cap, marked

¼ in N.,
S 34 in W., and
S 35 in E. half; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.

49.60

Spur extends SW.; (215 above ravine); thence along broken NW. slope.

69.70

Box canyon, course W.; asc. 170 ft. to

80.00

Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 26, 27, 34 and 35, with brass cap, marked

T 24 N S 27 in NW.,
R 21 W S 26 in NE.,
S 35 in SE., and
S 34 in SW. quadrant; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to dig pits or set cor. in the ground.

Land, rough, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, catclaw and cactus.

Feb. 8, 1916.

H. P.

Feb. 7 and 8, 1916.

G. H. R. and H. P.

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

To pass cliffs and cross head of ravine, I triangulate as follows:

I set a flag E. on line, and measure a base, N., 14.61 chs., to a point whence the flag bears S. 57°53' E.;

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Chains

which gives for the distance $\tan. 57^{\circ}53' \times \text{base}$, or 1.59311×14.61 , = 23.27 chs.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.98 Intersect N. and S. line 25 lks. S. of the cor. of secs. 25, 26, 35 and 36.
Thence I run
S. $89^{\circ}49'W.$, on a true line, bet. secs. 26 and 35,
over mountainous land, through scattering undergrowth.
Asc. SE. slope 600 ft. to
27.95 Ridge bears NE. and SW.
32.65 Desc. W. slope 180 ft.
39.99 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 26 in N. half,
S 35 in S. half, and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor. Impracticable to dig pits or set cor. in the ground.

74.00 Cross ravine, course S. $30^{\circ}E.$, near head.
79.98 The cor. of secs. 26, 27, 34 and 35.
Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, catclaw, juniper and cactus.
Feb. 7 and 8, 1916.
G. H. R., and H. P.

Feb. 8, 1916.
N. $0^{\circ}01'W.$, bet. secs. 26 and 27,
over mountainous land, through scattering undergrowth.
Asc. SE. slope 240 ft. to
15.90 Spur extends SW.; thence along broken NW. slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
S 26 in E., and
S 27 in W. half; and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
S. of cor. Impracticable to dig pits or set cor. in the ground, or raise mound W. of cor.

45.00 Ravine, course SW.; asc. SE. slope 660 ft. to
65.13 Leave mountainous land and enter hills; margin bears NW. and SE.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground and 4 ins. in a mound of stone, for cor. of secs. 22, 23, 26 and 27, with brass cap, marked
T 24 N S 22 in NW.,
R 21 W S 23 in NE.,
S 26 in SE., and
S 27 in SW. quadrant; and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Impracticable to dig pits or set cor. farther in the ground.
Land, mountainous for 65 chs., and rolling hills for balance.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, catclaw and cactus.
Feb. 8, 1916.
H. P.

Feb. 7 and 8, 1916.
G. H. R. and H. P.
East, on a random line, bet. secs. 23 and 26.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.94 Intersect N. and S. line 7 lks. S. of the cor. of secs.

Chains

- 23, 24, 25 and 26.
Thence we run
S. $89^{\circ} 57' W.$, on a true line, bet. secs. 23 and 26,
over roughly rolling land, through scattering undergrowth.
Desc. gradually on W. slope.
19.92 Wash, 100 lks. wide, course S. $60^{\circ} E.$
Road from Lost Cabin to Chloride, in wash, bears N. $60^{\circ} W.$,
and S. $60^{\circ} E.$;
Asc. NE. slope 100 ft. to
39.97 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the
ground and 18 ins. in a mound of stone; for $\frac{1}{4}$ sec. cor.,
with brass cap, marked
 $\frac{1}{4}$ S 23 in N. half,
S 26 in S. half, and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor. Impracticable to dig pits or set cor. far-
ther in the ground.
79.94 The cor. of secs. 22, 23, 26 and 27.
Land, rolling and broken.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, catclaw and cactus.
Feb. 7 and 8, 1916.
G. H. R. and H. P.

- H. P.
Feb. 9, 1916.
At 8h 00m a.m., l.m.t., I set off $35^{\circ} 27'$ on the lat. arc;
 $14^{\circ} 54\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with
the solar at the cor. of secs. 22, 23, 26 and 27.
Thence I run
N. $0^{\circ} 01' W.$, bet. secs. 22 and 23,
over rolling hills, through scattering undergrowth.
6.60 Ridge bears E. and W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
S 22 in W., and
S 23 in E. half; and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the
ground and 6 ins. in a mound of stone, for cor. of secs.
14, 15, 22 and 23, with brass cap, marked
T 24 N S 15 in NW.,
R 21 W S 14 in SE.,
S 23 in SE., and
S 22 in SW. quadrant; and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Impracticable to dig pits or set cor. far-
ther in the ground.
Land, rolling hills.
Soil, sandy and stony; 4th rate.
No timber.
Undergrowth, greasewood, catclaw and juniper.
Feb. 9, 1916.
H. P.

- Feb. 8 and 9, 1916.
G. H. R. and H. P.
East, on a random line, bet. secs. 14 and 23.
40.00 Set temp, $\frac{1}{4}$ sec. cor.
79.98 Intersect N. and S. line at the cor. of secs. 13, 14, 23
and 24.
Thence we run
West, on a true line, bet. secs. 14 and 23.

Subdivision of T. 24 N., R. 21 W.

Chains

39.99 over rolling land, through scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 14 in N. half,
 S 23 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.

79.98 The cor. of secs. 14, 15, 22 and 23.
 Land, rolling.
 Soil, sandy and rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw, juniper and cactus.
 Feb. 8 and 9, 1916.
 G. H. R. and H. P.

H. P.
 Feb. 9, 1916.
 N. $0^{\circ}01'$ W., bet. secs. 14 and 15,
 over rolling land, through scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground and 20 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 14 in E., and
 S 15 in W. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. farther in the ground.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground and 4 ins. in a mound of stone, for cor. of secs. 10, 11, 14 and 15, with brass cap, marked
 T 24 N S 10 in NW.,
 R 21 W S 11 in NE.,
 S 14 in SE., and
 S 15 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. farther in the ground.
 Land, rolling.
 Soil, rocky and sandy; 4th rate.
 No timber.
 Undergrowth, catclaw, juniper, greasewood and cactus.
 Feb. 9, 1916.
 H. P.

Feb. 8 and 9, 1916.
 G. H. R. and H. P.
 East, on a random line, bet. secs. 11 and 14.

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

79.90 Intersect N. and S. line 16 lks. S. of the cor. of secs. 11, 12, 13 and 14.
 Thence we run
 S. $89^{\circ}53'$ W., on a true line, bet. secs. 11 and 14,
 over rolling land, through scattering undergrowth.

39.95 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 11 in N. half,
 S 14 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.

79.90 The cor. of secs. 10, 11, 14 and 15.
 Land, rolling.
 Soil, sandy and rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw, juniper and cactus.
 Feb. 8 and 9, 1916.-- G. H. R. and H. P.

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Subdivision of T. 24 N., R. 21 W.

H. P.
Feb. 9, 1916.
N.0°01'W., bet. secs. 10 and 11,
over rolling land, through scattering undergrowth.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
ground and 8 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,
with brass cap, marked
 $\frac{1}{4}$ in N.,
S 10 in W.; and
S 11 in E. quadrant; and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Impracticable to dig pits or set cor. far-
ther in the ground.
56.50 Road from Chloride to Colorado river bears NE., and NW.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the
ground and 6 ins. in a mound of stone, for cor. of secs.
2, 3, 10 and 11, with brass cap, marked
T 24 N S 3 in NW.,
R 21 W S 2 in NE.,
S 11 in SE., and
S 10 in SW. quadrant; and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Impracticable to dig pits or set cor. far-
ther in the ground.
Land, rolling.
Soil, sandy and rocky; 4th rate.
No timber.
Undergrowth, greasewood, catclaw, juniper and cactus.
H. P.

G. H. R.
East, on a random line, bet. secs. 2 and 11.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.08 Intersect N. and S. line 18 lks. S. of the cor. of secs.
1, 2, 11 and 12.
Thence I run
S.89°52'W. on a true line, bet. secs. 2 and 11,
over rolling land, through scattering undergrowth.
40.04 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 2 in N. half,
S 11 in S. half, and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
80.08 The cor. of secs. 2, 3, 10 and 11.
Land, rolling.
Soil, gravelly; 3rd rate.
No timber.
Undergrowth, juniper, greasewood and cactus.
G. H. R.

H. P.
N.0°01'W., on a true line, bet. secs. 2 and 3,
over rolling land, through scattering undergrowth.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the
ground and 4 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,
with brass cap, marked
 $\frac{1}{4}$ in N.,
S 2 in E., and
S 3 in W. half; and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Impracticable to dig pits or set cor. far-
ther in the ground.

At this cor. I set off $14^{\circ}55'$ S. on the decl. arc; and at

Chains

apparent noon observe the sun on the meridian. The resulting lat. is 35°30'.

71.00

Intersect the 6th standard parallel N., 15.90 chs. E. of Sta. cor. of secs. 34 and 35, which is an iron post, 3 ins. diam., with brass cap, properly marked and witnessed (established under current Group No.45).

At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground and 6 ins. in a mound of stone, for closing cor. of secs. 2 and 3, with brass cap, marked

T 25 N R 21 W S 35 in N. half, CC in S. half,

T 24 N S 3 in SW., and R 21 W S 2 in SE. quadrant; and 1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor. Impracticable to dig pits or set cor. farther in the ground.

Land, rolling.

Soil, sandy and rocky; 4th rate.

No timber.

Undergrowth, greasewood, catclaw, juniper and cactus.

Feb. 9, 1916.
H. P.

G. H. R.
Feb. 10, 1916.

From the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp. described in Book "A",

I run

N.0°02'W., bet. secs. 33 and 34, over mountainous land, through scattering undergrowth. Asc. SW. slope 165 ft. to

15.55

Spur extends W.; desc. NW. slope 70 ft. to

21.65

Enter wash, course W.

30.40

Leave same, and asc. S. slope 50 ft. to

40.00

Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., with brass cap, marked

¼ in N., S 33 in W., and S 34 in E. half; and 1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to dig pits or set cor. in the ground.

Asc. 315 ft. to

62.90

Spur extends SW.; desc. NW. slope 190 ft. to

77.53

Head of ravine, course S.80°W.; asc. 40 ft. to

80.00

Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 27, 28, 33 and 34, with brass cap, marked

T 24 N S 28 in NW., R 21 W S 27 in NE., S 34 in SE., and S 33 in SW. quadrant; and 1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to dig pits or set cor. in the ground.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, catclaw and cactus.

Feb. 10, 1916.

At 8h 00m a.m., l.m.t., I set off 35°25' on the lat. arc; 14°35½' S. on the decl. arc; and determine a meridian

Chains

with the solar at the cor. of secs. 27, 28, 33 and 34. To pass cliffs and cross-ravine, I proceed as follows: I set flag on line approximately E. of cor., and measure a base N. from same, setting hubs for transit points at 2.35 chs. and 12.18 chs.; from which flag bears S.83°08'E. and S.55°48'E., respectively. In the triangle formed by joining the flag and transit points above described the side from first station to flag, given by $9.83 \times \sin. 55^\circ 48' + \sin. 27^\circ 20'$, is 17.70 chs. The coordinates of the course S.83°08'E., 17.70 chs., are S.2.12, and E. 17.57 chs, making flag 2.35-2.12, =23 lks., N. of line, and 17.57 chs. E. of cor. From flag, I offset S. 23 lks. to point E. of cor., and run East, on a random line, bet. secs. 27 and 34. (counting from sec. cor.) Set temp. $\frac{1}{4}$ sec. cor. 40.00 Intersect N. and S. line 18 lks. S. of the cor. of secs. 79.90 26, 27, 34 and 35. Thence I run S.89°52'W., on a true line, bet. secs. 27 and 34, over mountainous land, through scattering undergrowth. Asc. SE. slope 260 ft. to 5.90 Spur extends S.; desc. SW. slope 350 ft. to 24.70 Wash, 60 lks. wide, course SW.; asc. SE. slope 60 ft. to 30.85 Spur extends S.; desc. SW. slope 110 ft. to 39.95 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground and 8 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 27 in N. half,
S 34 in S. half, and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Impracticable to dig pits or set cor. farther in the ground. 50.00 Ravine, course S.; asc. SE. slope 260 ft. to 62.33 Spur extends SW.; desc. 75.00 Ravine, near head, course SW.; asc. 79.90 The cor. of secs. 27, 28, 33 and 34. Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, catclaw, juniper and cactus.

N.0°02'W., bet. secs. 27 and 28, over mountainous land, through scattering undergrowth. Asc. SW. slope 150 ft. to 17.60 Spur extends W.; thence descend broken NW. slope. 39.35 Head of wash, course S.25°W. 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground and 20 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
S 27 in E., and
S 28 in W. half; and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground. Asc. 130 ft. to 54.80 Spur extends SW.; desc. NW. slope 75 ft. to 59.70 Head of wash, course S.30°W.; asc. SW. slope 350 ft. to 72.40 Spur extends W.; desc. NW. slope 190 ft. to 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 21, 22, 27 and 28, with brass cap, marked
T 24 N S 21 in NW.,
R 21 W S 22 in NE.,
S 27 in SE., and
S 28 in SW. quadrant; and
1916 in S. rim;

Chains

and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor. Impracticable to dig pits or set cor. in
 the ground.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 10, 1916.

Feb. 11, 1916.
 East, on a random line, bet. secs. 22 and 27.
 40.00 Set temp. ¼ sec. cor.
 80.10 Intersect N. and S. line 30 lks. S. of the cor. of secs.
 22, 23, 26 and 27.
 Thence I run
 S. 89° 47' W., on a true line, bet. secs. 22 and 27,
 over rolling land, through scattering undergrowth.
 Asc. gradual E. slope 165 ft. to
 16.45 Ridge bears N. and S.; thence desc. SW. slope over moun-
 tainous land, 860 ft. to
 39.60 Head of wash, course NW.
 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., with brass cap, marked
 ¼ S 22 in N. half,
 S 27 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor.
 Asc. NE. slope 160 ft. to
 47.25 Spur extends NW.; desc. W. slope 470 ft. to
 77.40 Ravine, course N. 80° W.; asc. NW. slope 135 ft. to
 78.50 Low spur extends NW.; thence desc. gradually to
 80.10 The cor. of secs. 21, 22, 27 and 28.
 Land, 16½ chs. rolling, and balance mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 At this cor. I set off 14° 14' S. on the decl. arc; and at
 apparent noon observe the sun on the meridian. The
 resulting lat. is 35° 27'.

N. 0° 02' W., bet. secs. 21 and 22,
 over mountainous land, through scattering undergrowth.
 Desc. NW. slope 165 ft. to
 13.00 Ravine, course NW.; asc. SW. slope 90 ft. to
 16.50 Spur extends W.; desc. NW. slope 30 ft. to
 24.45 Wash, 160 lks. wide, course W.; asc. SW. slope 200 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for ¼ sec. cor., with brass cap, marked
 ¼ in N.,
 S 21 in W., and
 S 22 in E. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor. Impracticable to dig pits or set cor. in the
 ground.
 Asc. 240 ft. to
 51.80 Spur extends W.; desc. NW. slope 375 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
 stone, for cor. of secs. 15, 16, 21 and 22, with brass
 cap, marked
 T 24 N S 16 in NW.,
 R 21 W S 15 in NE.,
 S 22 in SE., and
 S 21 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,

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Subdivision of T. 24 N., R. 21 W.

Chains

E. of cor. Impracticable to dig pits or set cor. in the ground, or build mound W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, juniper, greasewood, catclaw and cactus.

Feb. 11, 1916.

Feb. 12, 1916.

At 8h 00m a.m., l.m.t., I set off $35^{\circ}27\frac{1}{2}'$ on the lat. arc; $13^{\circ}56\frac{1}{2}'$ S. on the decl. arc; and determine a meridian at the cor. of secs. 15, 16, 21 and 22, with the solar.

To pass precipitous cliffs, I proceed as follows:

I set a flag on line E. of cor., and measure a base N. 17.40 chs., to a point, whence flag bears $S.61^{\circ}19'E$; which gives for the distance, $\tan. 61^{\circ}19' \times 17.40 = 31.80$ chs.

Thence, (from flag) I run

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

40.00 Set temp. $\frac{1}{4}$ sec. cor. (dist. counted from sec. cor.)

80.08 Intersect N. and S. line 35 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, through scattering undergrowth.

Asc. gradual NE. slope 200 ft. to

35.50 Ridge bears N. and S.; desc. SW. slope over mountainous land.

40.04 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$ S 15 in N. half,
S 22 in S. half, and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Impracticable to dig pits or set cor. in the ground. (cor. is 110 ft. below ridge).

42.20 Spur extends $N.80^{\circ}W.$; asc. SE. slope 75 ft. to

48.28 Same spur, extends SW.; desc. over perpendicular cliffs and broken W. slope, 1150 ft. to

80.08 The cor. of secs. 15, 16, 21 and 22.

Land, 35.50 chs. rolling and balance mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, catclaw, juniper and cactus.

Feb. 12, 1916.

Feb. 11, 1916.

$N.0^{\circ}02'W.$, bet. secs. 15 and 16, over mountainous land, through scattering undergrowth.

Desc. NW. slope 80 ft. to

10.50 Ravine, 70 lks. wide, course SW.; small stream, about $\frac{1}{2}$ link wide, in bottom.

Chaining being impracticable from here north, I return to cor. of secs. 15, 16, 21 and 22, and set a flag on line North, from which signal left 31.80 chs. E. of cor. on random line bet. secs. 15 and 22, bears $S.37\frac{1}{2}^{\circ}E.$; which gives for the distance, $\cotan. 37\frac{1}{2}^{\circ} \times 31.80$, or 41.81 chs.

Feb. 11, 1916.

Feb. 12, 1916.

At flag 41.81 chs. N. of cor. of secs. 15, 16, 21 and 22, I offset $2\frac{1}{2}$ lks. W. to true line bet. secs. 15 and 16, and measure back on line, 1.81 chs. to

40.00 (counted from sec. cor.) Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, on solid rock, for $\frac{1}{4}$ sec. cor., with brass cap, marked

Chains

$\frac{1}{4}$ in. N.,
S 15 in E., and
S 16 in W. half; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Impracticable to dig pits or set cor. in
the ground.

Cor. is at edge of perpendicular cliff, 880 ft. above ravine.

41.73 Top of rugged spur extends W.; deep canyon on N. side.

To pass same, I proceed as follows;

I set a flag on line N.0°02'W., and measure a base
N.85°13'E., (along top of divide), 22.16 chs.; whence
flag bears S.26°02'E.; which gives for the distance,
 $22.16 \times \sin. 68°45' + \sin. 26° = 47.11$ chs.; which
makes flag 41.73 + 47.11, or 88.84 chs. N.0°02'W. of the
cor. of secs. 15, 16, 21 and 22. I therefore measure
back on line 8.84 chs. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
stone, on bed rock, for cor. of secs. 9, 10, 15 and 16,
with brass cap, marked

T 24 N S 9 in NW.,
R 21 W S 10 in NE.,
S 15 in SE., and
S 16 in SW. quadrant; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, juniper, greasewood and cactus.

At 60.00 chs. on this mile, cross gulch, 1000 ft. below
spur at 41.73 chs.; from which the ascent to cor. is
700 ft.

Feb. 12, 1916.
G. H. R.

G. H. R. and H. P.
Feb. 9 and 12, 1916.

To pass cliffs, over which it is impracticable to chain,
proceed as follows:

Set a hub at a point 30 lks. N.0°02'W. of the cor. of
secs. 9, 10, 15 and 16, and place a flag E. of same, on
N. and S. ridge.

From my station on line bet. secs. 15 and 16, 38.27 chs.
S.0°02'E. of the cor. of secs. 9, 10, 15 and 16, flag
bears N.44°38'E.; and at flag I read the angle between
the two stations, 45°22'; which gives for the distance
from N. and S. line to flag, $38.57 \times \sin. 44°40' +$
 $\sin. 45°22' = 38.10$ chs.

At this station, I offset 30 lks. S. to point E. of the
sec. cor., and run

East, on a random line, bet. secs. 10 and 15.

40.00 Set temp. $\frac{1}{4}$ sec. cor. (counting from sec. cor.).

80.12 Intersect N. and S. line 30 lks. S. of the cor. of secs.
10, 11, 14 and 15.

Thence I run

S.89°47'W., on a true line, bet. secs. 10 and 15,
over rolling hills, through scattering undergrowth.

Asc. gradually 160. ft. to

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

$\frac{1}{4}$ S 10 in N. half,
S 15 in S. half, and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.

42.02 Ridge bears N. and S.; desc. 620 ft. over mountainous land,
to

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Subdivision of T. 24 N., R. 21 W.

Chains

- 80.12 The cor. of secs. 9, 10, 15 and 16.
Land, 42 chs. rolling and balance mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, juniper, greasewood, catclaw and cactus.
Feb. 9 and 12, 1916.
G. H. R. and H. P.
-
- G. H. R.
Feb. 14, 1916.
At 9h 00m a.m., l.m.t., I set off $35^{\circ}28\frac{1}{2}'$ on the lat arc;
 $13^{\circ}16\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with
the solar at the cor. of secs. 9, 10, 15 and 16.
Thence I run
N. $0^{\circ}02'W.$, **bet. secs. 9 and 10,**
over mountainous land, through scattering undergrowth.
Asc. 300 ft. to
- 8.73 Spur, 1000 ft. above canyon, 28.70 chs. S., extends W.;
desc. NW. slope 450 ft. to
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
ground and 16 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,
with brass cap, marked
 $\frac{1}{4}$ in N.,
S 9 in W., and
S 10 in E. half; and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Impracticable to dig pits or set cor. far-
ther in the ground.
Desc. 75 ft. to
- 40.90 Wash, 100 lks. wide, course NW.; asc. SW. slope 160 ft. to
- 57.80 Spur extends W.; desc. NW. slope 200 ft. to
- 63.70 Wash, 70 lks. wide, course W.; asc. W. slope 225 ft. to
- 79.95 Spur extends W.; desc. NW. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
stone, on solid rock, for cor. of secs. 3, 4, 9 and 10,
with brass cap, marked
T 24 N S 4 in NW.,
R 21 W S 3 in NE.,
S 10 in SE., and
S 9 in SW. quadrant; and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Impracticable to dig pits or set cor. in
the ground.
Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, cactus, and catclaw.
Feb. 14, 1916.
-
- Feb. 9, 1916.
East, on a random line, bet. secs. 3 and 10.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.20 Intersect N. and S. line 38 lks. S. of the cor. of secs.
2, 3, 10 and 11.
Thence I run
S. $89^{\circ}44'W.$, on a true line, bet. secs. 3 and 10,
over rolling land, through scattering undergrowth.
Asc. gradual NE. slope 65 ft. to
- 19.95 Ridge bears N. and S.; desc. NW. slope 310 ft. over moun-
tainous land, to
- 33.55 Wash, 30 lks. wide, course NW.; Road from Chloride to Col-
orado river, in wash, bears NW. and SE.
Asc. broken NE. slope.
- 40.10 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
ground and 8 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,

Chains

with brass cap; marked
 $\frac{1}{4}$ S 3 in N. half,
 S 10 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Impracticable to dig pits or set cor. farther
 in the ground.

61.75 Spur extends NW.; desc. SW. slope 215 ft. to
 80.20 The cor. of secs. 3, 4, 9 and 10.
 Land, rolling for 20 chs., and mountainous for balance.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 9, 1916.

Feb. 14, 1916.
 N.0°02'W., on a true line, bet. secs. 3 and 4,
 over mountainous land, through scattering undergrowth.
 Desc. NW. slope 110 ft. to
 14.80 Head of gulch, course S.50°W.; asc. SW. slope 135 ft. to
 29.35 Spur extends W.; desc. NW. slope 95 ft. to
 39.15 Ravine, course N. 65°W.; asc. SW. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
 ground and 16 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 3 in E., and
 S 4 in W. half; and
 1916 in S. rim; and raise mound of stone 3 ft.
 base, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits, or
 set cor. farther in the ground.

44.70 Descend to
 51.80 Road bears NW. and SE., in wash, 2 chs. wide, course NW.;
 asc. W. slope.
 62.00 Road bears N.10°E., and S.10°W.
 71.30 Intersect 6th standard parallel N., 15.36 chs. E. of the
 standard cor. of secs. 33 and 34, which is an iron post,
 3 ins. diam., with brass cap, properly marked and witness-
 ed (established under current Group No. 45).
 At point of intersection
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for closing cor. of secs. 3 and 4, with brass
 cap, marked
 T 25 N R 21 W S 34 in N. half,
 CC in S. half,
 T 24 N S 4 in SW., and
 R 21 W S 3 in SE. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 S. of cor.
 Land, mountainous,
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 14, 1916.
 G. H. R.

H. P.
 Feb. 10, 1916.
 At 9h 30m a.m., l.m.t., I set off 35°25' on the lat arc;
 14°35' S. on the decl. arc; and determine a meridian
 with the solar, at the cor. of secs. 4, 5, 32 and 33, on
 S. bdy. of Tp. described in Book "A".
 Thence I run
 N.0°03'W., bet. secs. 32 and 33,
 over rolling land, through scattering undergrowth.
 6.90 Low spur, 60 ft. above sec. cor., extends NW.

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Subdivision of T. 24 N., R. 21 W.

Chains

- 17.50 Deep wash, 15 lks. wide, course NW.
 39.00 Deep wash, 20 lks. wide, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground and 14 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 32 in W., and
 S 33 in E. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.
- 77.55 Thence along broken W. slope.
 Top of spur extends SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground and 16 ins. in a mound of stone, for cor. of secs. 28, 29, 32 and 33, with brass cap, marked
 T 24 N S 29 in NW.,
 R 21 W S 28 in NE.,
 S 33 in SE., and
 S 32 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.
- Land, rolling hills.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
-
- 40.00 East, on a random line, bet. secs. 28 and 33.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. and S. line 29 lks. S. of the cor. of secs. 27, 28, 33 and 34.
 Thence I run
 S. $89^{\circ}48'$ W., on a true line, bet. secs. 28 and 33, over mountainous land, through scattering undergrowth.
- 40.05 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground and 16 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 28 in N. half,
 S 33 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Impracticable to dig pits or set cor. farther in the ground.
- Asc. 190 ft. to
 44.00 Thence desc. 160 ft. to
 57.40 Asc. 160 ft. to
 65.60 Desc. 460 ft. to
 80.10 The cor. of secs. 28, 29, 32 and 33.
 Land, mountainous, W. half, and rolling mountainous in E.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 10, 1916.
-
- Feb. 11, 1916.
 At 10h 00m a.m., l.m.t., I set off $35^{\circ}26'$ on the lat. arc; $14^{\circ}15\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 28, 29, 32 and 33.
 Thence I run
 N. $0^{\circ}03'$ W., bet. secs. 28 and 29,
 over rolling land, through scattering undergrowth.
- 18.70 Deep wash, course SW.; width, 15 lks.
 20.90 Wash, 2 chs. wide, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the

Chains

ground, and 16 ins. in a mound of stone,
 , for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 28 in E., and
 S 29 in W. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.

46.55 Deep wash, 100 lks. wide, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 15 ins. in the
 ground and 9 ins. in a mound of stone, for cor. of secs.
 20, 21, 28 and 29, with brass cap, marked
 T 24 N S 20 in NW.,
 R 21 W S 21 in NE.,
 S 28 in SE., and
 S 29 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.

Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

40.00 East, on a random line, bet. secs. 21 and 28.
 80.02 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line 39 lks. S. of the cor. of secs.
 21, 22, 27 and 28.
 Thence I run
 S. $89^{\circ}43'W.$, on a true line, bet. secs. 21 and 28,
 over broken, roughly rolling hills, through scattering
 undergrowth.

15.15 Wash, 2 chs. wide, course SW.
 40.01 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
 ground and 8 ins. in a mound of stone; for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked
 $\frac{1}{4}$ S 21 in N. half,
 S 28 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.

80.02 Desc. 260 ft. to
 The cor. of secs. 20, 21, 28 and 29.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

N. $0^{\circ}03'W.$, bet. secs. 20 and 21,
 over rolling land, through scattering undergrowth.

1.00 Wash, 100 lks. wide, course W.
 20.65 Enter wash.
 34.70 Leave same, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
 ground and 16 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 20 in W., and
 S 21 in E. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.

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Subdivision of T. 24 N., R. 21 W.

Chains

- 53.50 Enter wash, course SW.
 57.50 Leave same, and asc. over mountainous land, 100 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound
 of stone, for cor. of secs. 16, 17, 20 and 21, with
 brass cap, marked
 T 24 N S 17 in NW.,
 R 21 W S 16 in NE.,
 S 21 in SE., and
 S 20 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. in the
 ground.
 Land, rolling for $57\frac{1}{2}$ chs. and mountainous for balance.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
-
- 40.00 East, on a random line, bet. secs. 16 and 21.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.08 Intersect N. and S. line 37 lks. S. of the cor. of secs.
 15, 16, 21 and 22.
 Thence I run
 S. $89^{\circ}44'W.$, on a true line, bet. secs. 16 and 21,
 over rough, mountainous land, through scattering under-
 growth.
 Desc. W. slope 135 ft. to
 5.40 Canyon, course SW.; spring in bottom.; thence along broken
 S. slope.
 36.50 Top of spur extends S.; desc. SW. slope.
 40.04 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone,
 for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 16 in N. half,
 S 21 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Impracticable to dig pits or set cor. in the
 ground.
 52.20 Spur, 400 ft. below spur at 36.50 chs., extends SW.; desc.
 NW. slope 240 ft. to
 80.08 The cor. of secs. 16, 17, 20 and 21.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 11, 1916.
-
- Feb. 12, 1916.
 At 9h 30m a.m., l.m.t., I set off $35^{\circ}27\frac{1}{2}'$ on the lat. arc;
 $13^{\circ}56'$ S. 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. $0^{\circ}03'W.$, bet. secs. 16 and 17,
 over mountainous land, over broken W. slope, through scat-
 tering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 16 in E., and
 S 17 in W. half; and
 1916 in S. rim; and
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of cor. Impracticable to dig pits or set cor. in the
 ground.
 69.15 Spur extends W.; desc. N. slope.
 72.80 Enter wash, course W.
 76.40 Leave same.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the

Chains

ground and 8 ins. in a mound of stone, for cor. of secs. 8, 9, 16 and 17, with brass cap, marked

T 24 N S 8 in NW.,
R 21 W S 9 in NE.,
S 16 in SE., and
S 17 in SW. quadrant; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, cactus and catclaw.

East, on a random line, bet. secs. 9 and 16:

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

80.02 Intersect N. and S. line 39 lks. S. of the cor. of secs. 9, 10, 15 and 16.

Thence I run

S. $89^{\circ}43'W.$, on a true line, bet. secs. 9 and 16, along broken S. slope, over mountainous land, through scattering undergrowth.

40.01 525 ft. below sec. cor.,

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground and 8 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$ S 9 in N. half,
S 16 in S. half, and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Impracticable to dig pits or set cor. farther in the ground.

80.02 The cor. of secs. 8, 9, 16 and 17. (230 ft. above $\frac{1}{4}$ sec. cor.)

Land, rough, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, catclaw and cactus.

Feb. 12, 1916.

Feb. 14, 1916.

At 10h 00m a.m., l.m.t., I set off $35^{\circ}28\frac{1}{2}'$ on the lat. arc; $13^{\circ}16'$ S. on the decl. arc; and determine a meridian at the cor. of secs. 8, 9, 16 and 17, with the solar.

Thence I run

N. $0^{\circ}03'W.$, bet. secs. 8 and 9, over mountainous land, through scattering undergrowth. Asc, S. slope 190 ft. to

6.25 Spur extends W.; desc. NW. slope 160 ft. to

21.90 Ravine, course SW.; asc. SW. slope 170 ft. to

29.85 Spur extends W.; desc. N. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground and 18 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$ in N.,
S 8 in W., and
S 9 in E. half; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.

49.80 Wash, 180 ft. below spur, course W. (width, 100 lks.)

70.70 Spur, 230 ft. above wash, extends NW.; desc. 125 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground and 4 ins. in a mound of stone, for cor. of secs. 4, 5, 8 and 9, with brass cap, marked

Chains

T 24 N S 5 in NW.,
R 21 W S 4 in NE.,
S 9 in SE., and
S 8 in SW. quadrant; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor. Impracticable to dig pits or set cor. far-
ther in the ground.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.

Undergrowth, greasewood, catclaw, juniper and cactus.

H. P.

G. H. R. and H. P.

East, on a random line, bet. secs. 4 and 9.

40.00
79.80

Set temp. 1/4 sec. cor.
Intersect N. and S. line 28 lks. S. of the cor. of secs.
3, 4, 9 and 10.

Thence we run

S. 89°48'W., on a true line, bet. secs. 4 and 9,
over mountainous land, through scattering undergrowth.

17.30
19.35
23.10
39.95
39.90

Desc. along top of spur, 250 ft. to
Leave spur and desc. on N. side of same 20 ft. to
Head of gulch, course NW.; asc. NE. slope 70 ft. to
Same spur, extends NW.; desc. SW. slope 275 ft. to
Head of ravine, course S. 60°W.
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground and 6 ins. in a mound of stone, for 1/4 sec. cor.,
with brass cap, marked

1/4 S 4 in N. half,
S 9 in S. half, and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
N. of cor. Impracticable to dig pits or set cor. far-
ther in the ground.

55.45
79.80

Wash, 15 lks. wide, course NW.

The cor. of secs. 4, 5, 8 and 9.

Land, mountainous and rolling mountainous.
Soil, rocky; 4th rate.
No timber,

Undergrowth, juniper, greasewood, catclaw and cactus.

G. H. R., and H. P.

H. P.

N. 0°03'W., on a true line, bet. secs. 4 and 5,
over rolling mountainous land, through scattering under-
growth.

19.60
26.00
40.00

Wash, 100 lks. wide, course W.

Spur extends W.

Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for 1/4 sec. cor., with brass cap, marked

1/4 in N.,
S 4 in E., and
S 5 in W. half; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor. Impracticable to dig pits or set cor. far-
ther in the ground.

49.90
64.10
64.48
69.90
71.82

Low spur extends W.

Enter wash, course W.

Road from Chloride to Colorado river bears E. and W.

Leave wash.

Intersect 6th standard parallel N., 15.24 chs. E. of Sta.
cor. of secs. 32 and 33, which is an iron post, 3 ins. diam.
with brass cap, properly marked and witnessed (established
under current Group No. 45).

Subdivision of T. 24 N., R. 21 W.

Chains

At point of intersection
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 4 and 5, with brass cap, marked
 T 25 N R 21 W S 33 in N. half,
 CC in S. half,
 T 24 N S 5 in SW., and
 R 21 W S 4 in SE. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 S. of cor.
 Land, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, juniper, greasewood, catclaw and cactus.
 Feb. 14, 1916.
 H. P.

G. H. R.
 Feb. 16, 1916.
 At 10h 00m. a.m., l.m.t., I set off 35°25' on the lat. arc; 12°35' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 31 and 32, on S. bdy. of T. 24 N., R. 21 W., described in 'Book "A."'
 Thence I run

N. 0°03' W., bet. secs. 31 and 32,
 over broken rolling land, through scattering undergrowth.
 4.10 Wash, 100 lks. wide, course W.
 35.20 Enter wash, course W.
 39.70 Leave same.
 40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked
 ¼ in N.,
 S 31 in W., and
 S 32 in E. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground and 12 ins. in a mound of stone, for cor. of secs. 29, 30, 31 and 32, with brass cap, marked
 T 24 N S 30 in NW.,
 R 21 W S 29 in NE.,
 S 32 in SE., and
 S 31 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor. Impracticable to dig pits or set cor. farther in the ground.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

40.00 East, on a random line, bet. secs. 29 and 32.
 Set temp. ¼ sec. cor.
 80.20 Intersect N. and S. line 36 lks. S. of the cor. of secs. 28, 29, 32 and 33.
 Thence I run
 S. 89°45' W., on a true line, bet. secs. 29 and 32,
 over roughly rolling land, through scattering undergrowth.
 15.30 Wash, 2 chs. wide, course SW.
 40.10 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground and 8 ins. in a mound of stone, for ¼ sec. cor., with brass cap, marked

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Subdivision of T. 24 N., R. 21 W.

Chains

- $\frac{1}{4}$ S 29 in N. half,
 $\frac{1}{4}$ S 32 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.
- 80.20 The cor. of secs. 29, 30, 31 and 32.
 Land, roughly rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw, cactus and sagebrush.
-
- Feb. 16, 1916.
- 78.00 S. 80° West., on a random line, bet. secs. 30 and 31.
 Intersect W. bdy. of Tp. 18 lks. N. of the cor. of secs.
 25, 30, 31 and 36, described in Book "A".
 Thence I run
 N. 89° 52' E., on a true line, bet. secs. 30 and 31,
 over broken, rolling mountainous land, through scat-
 tering undergrowth.
- 18.00 Wash, 2 chs. wide, course S. 80° W.
 38.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 30 in N. half,
 $\frac{1}{4}$ S 31 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
- 78.00 The cor. of secs. 29, 30, 31 and 32.
 Land, broken, rolling mountainous and rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.
-
- N. 0° 03' W., bet. secs. 29 and 30,
 over broken, rolling mountainous land; through scatter-
 ing undergrowth.
- 31.95 Enter broad wash, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 29 in E., and
 S 30 in W. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Cor. is in broad wash, course SW.
- 41.00 Leave wash.
 49.00 Gulch, 100 lks. wide, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the
 ground and 10 ins. in a mound of stone, for cor. of
 secs. 19, 20, 29 and 30, with brass cap, marked
 T 24 N S 19 in NW.,
 R 21 W S 20 in NE.,
 S 29 in SE., and
 S 30 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.
 Land, broken, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

Feb. 16, 1916.

Chains

Feb. 17, 1916.
 At 9h 30m a.m., l.m.t., I set off 35°27' on the lat. arc;
 12°14½' S. on the decl. arc; and determine a meridian
 with the solar at the cor. of secs. 19, 20, 29 and 30.
 Thence I run
 East, on a random line, bet. secs. 20 and 29.
 40.00 Set temp. ¼ sec. cor.
 80.02 Intersect N. and S. line 14 lks. S. of the cor. of secs.
 20, 21, 28 and 29.
 Thence I run
 S. 89°54' W., on a true line, bet. secs. 20 and 29,
 over broken, rolling mountainous land, through scattering
 undergrowth.
 20.15 Wash, 100 lks. wide, course S. 70° W.
 40.01 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., with brass cap, marked
 ¼ S 20 in N. half,
 S 29 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor. (300 ft. below sec. cor.).
 80.02 Desc. gradual broken SW. slope 235 ft. to
 The cor. of secs. 19, 20, 29 and 30.
 Land, broken, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

West, on a random line, bet. secs. 19 and 30.
 40.00 Set temp. ¼ sec. cor.
 77.82 Intersect W. bdy. of Tp. 20 lks. N. of the cor. of secs.
 19, 24, 25 and 30, described in Book "A".
 Thence I run
 N. 89°51' E., on a true line, bet. secs. 19 and 30,
 over rolling, broken mountainous land, through scat-
 tering undergrowth.
 37.82 Asc. gradual W. slope 125 ft. to
 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
 ground and 6 ins. in a mound of stone, for ¼ sec. cor.,
 with brass cap, marked
 ¼ S 19 in N. half,
 S 30 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.
 55.00 Wash, 3 chs. wide, course S. 75° W.
 77.82 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling, broken, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, cactus and catclaw.

N. 0°03' W., bet. secs. 19 and 20,
 over broken, rolling mountainous land, through scattering
 undergrowth.
 15.10 Wash, 2 chs. wide, course SW.
 20.00 Wash, 2 chs. wide, course SW.
 30.00 Enter broad wash, course W.
 38.00 Leave same, and asc. SW. slope 50 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, on bed rock, for ¼ sec. cor., with brass cap,
 marked
 ¼ in N.,
 S 19 in W., and
 S 20 in E. half; and
 1916 in S. rim;

Chains

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to dig pits or set cor. in the ground.

46.50 Spur extends W.; desc. NW. slope.

63.80 Enter wash, course SW.

69.60 Leave same, and asc. SW. slope 200 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, on solid rock, for cor. of secs. 17, 18, 19 and 20, with brass cap, marked

T 24 N S 18 in NW.,
R. 21 W S 17 in NE.,
S 20 in SE., and
S 19 in SW. quadrant; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to dig pits or set cor. in the ground.

Land, broken, rolling mountainous.
Soil, rocky and gravelly; 4th rate.
No timber.
Undergrowth, greasewood, catclaw and cactus.

Feb. 17, 1916.

Feb. 18, 1916.

At 8h.00m a.m., l.m.t., I set off 35°27½' on the lat. arc; 11°53½' S. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 17, 18, 19 and 20. Thence I run

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

40.00 Set temp. ¼ sec. cor.

80.02 Intersect N. and S. line 16 lks. S. of the cor. of secs. 16, 17, 20 and 21. Thence I run

S. 89°53' W., on a true line, bet. secs. 17 and 20, over mountainous land, through scattering undergrowth. Desc. broken W. slope 225 ft. to

20.10 Gulch, course SW.; desc. 80 ft. to

40.01 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on bed rock, for ¼ sec. cor., with brass cap, marked

¼ S 17 in N. half,
S 20 in S. half, and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Impracticable to dig pits or set cor. farther in the ground.

56.00 Spur extends SW.; desc. W. slope 140 ft. to

65.50 Wash, 3 chs. wide, course SW.; asc. SE. slope 30 ft. to

70.50 Spur extends S.; desc. SW. slope 60 ft. to

75.40 Wash, 2 chs. wide, course S. 20° W.; asc. 130 ft. to

80.02 The cor. of secs. 17, 18, 19 and 20.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, catclaw and cactus.

Feb. 18, 1916.

Feb. 17, 1916.

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

40.00 Set temp ¼ sec. cor.

77.75 Intersect W. bdy. of Tp. 21 lks. N. of the cor. of secs. 13, 18, 19 and 24, described in Book "A". Thence I run

N. 89°51' E., on a true line, bet. secs. 18 and 19, over rolling land, through scattering undergrowth. Desc. gradually 90 ft. to

27.75 Wash, 100 lks. wide, course SW.

37.75 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground and 20 ins. in a mound of stone, for ¼ sec. cor.

Chains

with brass cap, marked
 $\frac{1}{4}$ S 18 in N. half,
 S 19 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.

63.25 Leave rolling land and asc. NW. slope, over mountainous
 land, through scattering undergrowth, 165 ft. to
 77.75 The cor. of secs. 17, 18, 19 and 20.
 Land, rolling in $\frac{1}{4}$ chs., and mountainous in balance.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 17, 1916.

Feb. 18, 1916.
 N.0°03'W., bet. secs. 17 and 18,
 over rolling and broken land, through scattering undergrowth.

34.30 Wash, 3 chs. wide, course SW.; asc. SW. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
 ground and 12 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 17 in E., and
 S 18 in W. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.

50.00 Enter wash, course W.
 61.00 Leave same.
 72.30 Wash, 100 lks. wide, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 5 ins. in the
 ground and 19 ins. in a mound of stone, for cor. of secs.
 7, 8, 17 and 18, with brass cap, marked
 T 24 N S 7 in NW.,
 R 21 W S 8 in NE.,
 S 17 in SE., and
 S 18 in SW. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.

Land, broken and roughly rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

At this cor. I set off 11°52' on the lat. arc; and at appar-
 ent noon observe the sun on the meridian. The resulting
 lat. is 35°28 $\frac{1}{2}$ '.

Feb. 18, 1916.

Feb. 19, 1916.
 East, on a random line, bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. and S. line 35 lks. S. of the cor. of secs.
 8, 9, 16 and 17.
 Thence I run S.89°45'W.; on a true line, bet. secs. 8
 and 17,
 over mountainous land, through scattering undergrowth.
 Desc. gradually on broken SW. slope.

40.05 Point for $\frac{1}{4}$ sec. cor. falls at point where it could not
 be securely placed. Therefore at
 40.50 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
 ground, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap,
 marked

Chains

$\frac{1}{4}$ S 8 in N.,
 S 17 in S., and
 WC in E. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Impracticable to dig pits or set cor. in the
 ground.
 45.00 Leave mountainous land; thence over broken rolling land.
 66.10 Wash, 50 lks. wide, course S.60°W.
 80.10 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling for W. 35 chs., and mountainous in E. part.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, cactus, and catclaw.

West, on a random line, bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 77.67 Intersect W. bdy. of Tp. 23 lks. N. of the cor. of secs.
 7, 12, 13 and 18, described in Book "A".
 Thence I run
 N.89°50'E., on a true line, bet. secs. 7 and 18,
 over broken rolling land, through scattering undergrowth.
 37.67 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, on bed rock, for $\frac{1}{4}$ sec. cor., with brass cap,
 marked
 $\frac{1}{4}$ S 7 in N. half,
 S 18 in S. half, and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Impracticable to dig pits or set cor. in
 the ground.
 45.77 Wash, 100 lks. wide, course SW.
 77.67 The cor. of secs. 7, 8, 17 and 18.
 Land, broken and rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 19, 1916.

Feb. 18, 1916.
 N.0°03'W., bet. secs. 7 and 8,
 over mountainous land, through scattering undergrowth.
 Asc. SW. slope 160 ft. to
 14.60 Spur extends W.; desc. NW. slope 70 ft. to
 19.50 Enter wash, course W.
 27.50 Leave same; thence on general SW. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
 ground and 16 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 7 in W., and
 S 8 in E. half; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.
 Asc. 70 ft. to
 56.70 Spur extends W.; desc. N. slope 75 ft. to
 59.65 Gulch, course NW.; asc. SW. slope 210 ft. to
 80.00 On spur sloping W.,
 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
 stone, on bed rock, for cor. of secs. 5, 6, 7 and 8,
 with brass cap, marked
 T 24 N S 6 in NW.,
 R 21 W S 5 in NE.,
 S 8 in SE., and
 S 7 in SW. quadrant; and
 1916 in S. rim;

Chains

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to dig pits or set cor. in the ground.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 18, 1916.

Feb. 19, 1916.
 East, on a random line, bet. secs. 5 and 8.
 Set temp. ¼ sec. cor.
 40.00 Intersect N. and S. line 19 lks. S. of the cor. of secs.
 79.98 4, 5, 8 and 9.
 Thence I run
 S. 89° 52' W., on a true line, bet. secs. 5 and 8,
 over mountainous land, through scattering undergrowth.
 Asc. NE, slope 80 ft. to
 4.80 Spur extends N.; desc. broken W. slope 240 ft. to
 25.53 Head of draw, course NW.; asc. 200 ft. to
 39.99 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, on bed rock, for ¼ sec. cor., with brass cap,
 marked

¼ S 5 in N. half,
 S 8 in S. half, and
 1916 in S. rim;

and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor. Impracticable to dig pits or set cor. in the
 ground.
 Asc. 115 ft. to
 42.80 Spur extends NW.; desc. 600 ft. to
 79.98 The cor. of secs. 5, 6, 7 and 8.
 Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

West, on a random line, bet. secs. 6 and 7.
 40.00 Set temp. ¼ sec. cor.
 77.50 Intersect W. bdy. of Tp. 5 lks. N. of the cor. of secs.
 1, 6, 7 and 12, described in Book "A".
 Thence I run
 N. 89° 58' E., on a true line, bet. secs. 6 and 7,
 over broken rolling land, through scattering undergrowth.
 Asc. gradual SW. slope 150 ft. to
 37.50 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
 ground and 1½ ins. in a mound of stone, for ¼ sec. cor.,
 with brass cap, marked

¼ S 6 in N. half,
 S 7 in S. half, and
 1916 in S. rim,

and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor. Impracticable to dig pits or set cor. farther
 in the ground.

Enter wash, course SW.
 52.00
 58.00 Leaves same, and asc. NW. slope, over mountainous land
 360 ft. to

Spur extends W.
 77.50 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling for W. 58 chs., and mountainous in E. part.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 19, 1916.

Chains.

Feb. 18, 1916.

N.0°03'W., on a true line, bet. secs. 5 and 6,
over mountainous land, through scattering undergrowth.
Desc. NW. slope 30 ft. to

4.93
13.60
18.70
26.50
35.10
39.55
40.00

Head of draw, course W.; asc. SW. slope 86 ft. to
Spur extends W.; desc. NW. slope 155 ft. to
Wash, 2 chs. wide, course W.; asc. SW. slope 185 ft. to
Spur, extends W.; desc. NW. slope 135 ft. to
Enter wash, course W.
Road from Chlotide to Colorado river bears E. and W.
On N. side of wash,
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
S 5 in E., and
S 6 in W. half; and
1916 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,,
W. of cor.

72.34

Asc. gradually 215 ft. to
Intersect 6th standard parallel N., 15.20 chs. E. of the
standard cor. of secs. 31 and 32, which is an iron post,
3 ins. diam., with brass cap, properly marked and witnessed
(established under current Group No. 45)
At point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for closing cor. of secs. 5 and 6, with brass cap,
marked

T 25 N R 21 W., S 32 in N. half,
CC in S. half,
T 24 N S 6 in SW., and
R 21 W S 5 in SE. quadrant; and
1916 in S. rim;

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
S. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, catclaw and cactus.

Feb. 18, 1916.
G. H. R.

For table of latitudes and departures, with closing
errors, see Book "A".

GENERAL DESCRIPTION.

The NE. portion of the township consists of rolling land,
and the balance is rough and mountainous.

The soil on the former is a third rate sandy loam, and
in the latter, stony; fourth rate.

Vegetation consists solely of desert growth such as cactus,
catclaw, greasewood and juniper, with fair grass in valleys.

Water exists at Lost Cabin Spring, in section 23, and was
also found in an old mining shaft in sec. 10.

Indications of mineral are found in the mountainous portion
of the township.

There are no settlers.

BOOK 319

FOR CERTIFICATES OF UNITED STATES SURVEYOR. AND UNITED STATES TRANSITMAN.

See Books "C" and "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, Arizona, March 9, 1918

The foregoing field notes of the survey of the _____

Subdivision Lines of _____

TOWNSHIP 24 NORTH, RANGE 21 WEST,

of the Gila and Salt River Base & Meridian, in the State of Arizona,

executed by Guy H. Richardson, U.S. Surveyor, and Hugo Price, U.S. Transitman, under ~~his~~ special instructions dated January 6, 1915, for Group 44, _____, 191 _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank O. Frost

U. S. Surveyor General. of Arizona.

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

~~U. S. Surveyor General. of Arizona.~~