

3146

4-679

BOOK 3146

NOV. 19. 1917

Book "N"
(Subdivisions)

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES

of

TOWNSHIP 23 NORTH, RANGE 21 WEST.

3146

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,

3146

In the presence of T. S. [unclear], 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, Jan. 26, 1915.

Survey commenced January 22, 1916.

Survey completed February 3, 1916.
Executed under Assignment
Instructions dated Nov. 29, 1915.

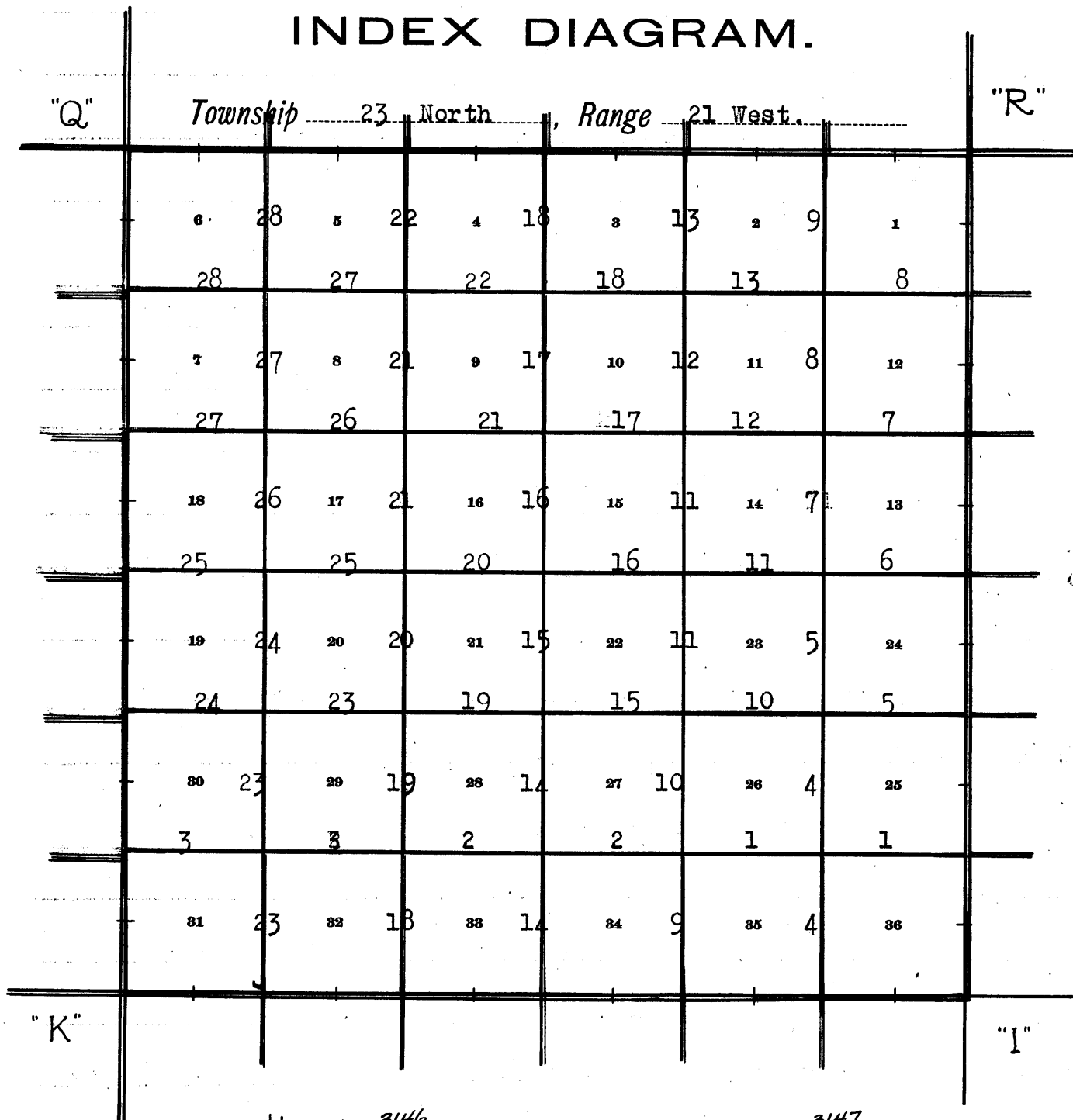
BOOK 3146

3146
Book "N"

(Subdivisions)

Group 44.

INDEX DIAGRAM.



_____ Notes in this book³¹⁴⁶ (indexed)
 _____ Notes in book "A"³¹³³ Group 44
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Chains

Survey commenced Jan. 22, 1916, and executed by Guy H. Richardson, U. S. Surveyor, and Hugo Price, U. S. Transitman.

The 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.

H. P.
Jan. 24, 1916.

I begin at the cor. of secs. 25, 30, 31 and 36, on E. bdy. of Tp. described in Book "A".

At 10h 00m, a.m., l.m.t., I set off 35°21' on the lat. arc; 19°22½' S. on the decl. arc; and determine a meridian with the solar at this cor.

Thence I run

West, on sectional correction line, bet. secs. 25 and 36, over rolling mountainous land, through scattering undergrowth.

20.54 Low spur, extends SW.

36.50 Wash, 20 lks. wide, course SW.

40.00 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 25 in N. half,
S 36 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.

41.90 Asc. E. slope 75 ft. to
Spur extends S.; desc. W. slope 115 ft. to

53.65 Enter wash, course S.

59.70 Leave same and asc. E. slope 85 ft. to

64.30 Thence along broken S. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground and 14 ins. in a mound of stone, for cor. of secs. 25, 26, 35 and 36, with brass cap, marked

T 23 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. farther in the ground.

Land, rolling mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, catclaw and cactus.

West, on sectional correction line, bet. secs. 26 and 35, over rolling mountainous land, through scattering undergrowth.

.50 Top of ridge bears NE. and SW.

Chains

5.00 Desc. SW. slope 150 ft. to
 12.90 Wash, 10 lks. wide, course NW.
 15.00 Asc. NE. slope 65 ft. to
 21.00 Spur extends NW.; thence along broken S. 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
 $\frac{1}{4}$ 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.
 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 23 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, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. in the
 ground.
 Land, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Jan. 24, 1916.

 Jan. 25, 1916.
 West, on sectional correction line, bet. secs. 27 and 34.
 over rolling mountainous land, through scattering under-
 growth, along broken S. slope.
 36.50 Wash, 20 lks. wide, course NW.; thence along broken N.
 slope.
 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 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.
 65.55 Wash, 20 lks. wide, course SW.; thence along broken S. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the
 ground and 8 ins. in a mound of stone, for cor. of secs.
 27, 28, 33 and 34, with brass cap, marked
 T 23 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, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.
 Land, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Jan. 25, 1916.

 Jan. 26, 1916.
 At 9h 00m, a.m., l.m.t., I set off $35^{\circ}21'$ on the lat. arc;
 and $18^{\circ}53\frac{1}{2}'$ S. on the decl. arc; and determine a meridian
 with the solar at the cor. of secs. 27, 28, 33 and 34.
 Thence I run
 West, on sectional correction line, bet. sec. 28 and 33,
 over rolling mountainous land, through scattering under-
 growth.

Chains

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
 $\frac{1}{4}$ 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.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 28, 29, 32 and 33, with brass cap, marked
 T 23 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. in the ground.

Land, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Jan. 26, 1916.

Feb. 1, 1916.
 At 10h 00m a.m., l.m.t., I set off $35^{\circ}21'$ on the lat arc; $17^{\circ}18'$ 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

West, on sectional correction line, bet. secs. 29 and 32, over rolling mountainous 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
 $\frac{1}{4}$ S 29 in N. half,
 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.

62.00 Wash, 3 chs. wide, course W.; thence down wash to

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, with brass cap, marked
 T 23 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, $1\frac{1}{2}$ ft. high, W. of cor.

Land, roughly rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood.

West, on sectional correction line, bet. secs. 30 and 31, over rolling mountainous land, through scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground and 6 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 30 in N. half,
 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,

chains

78.58 N. of cor. Impracticable to dig pits or set cor. farther in the ground.
 Intersect W. bdy. of Tp. 168 lks. N. of the cor. of secs. 25, 30, 31 and 36, ., described in Book "A".
 At point of intersection set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground and 4 ins. in a mound of stone, for closing cor. of secs. 30 and 31, with brass cap, marked
 CC in E. half,
 T 23 N S 25 R 22 W in W. half,
 T 23 N S 30 in NE., and
 S 31 R 21 W in SE. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. Change markings of cor. of secs. 25, 30, 31 and 36 to refer to secs. 25 and 36 only.
 Land, roughly rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, catclaw, greasewood and cactus.
 Feb. 1, 1916.

40.00 Jan. 24, 1916. From cor. of secs. 25, 26, 35 and 36,
 80.16 South, on a random line, bet. secs. 35 and 36.
 Set temp. ¼ sec. cor.
 Intersect S. bdy. of Tp. 23 lks. W. of the cor. of secs. 1, 2, 35 and 36, described in Book "A".
 Thence I run
 N. 0° 10' W., on a true line, bet. secs. 35 and 36, over rolling mountainous land, through scattering undergrowth.
 Asc. 90 ft. to
 10.60 Spur extends W.; desc. 70 ft. to
 17.30 Enter wash, course W.
 19.65 Leave same.
 40.16 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground and 11 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. in the ground.
 51.50 Spur extends W.; desc. 50 ft. to
 63.30 Enter wash, course W.
 69.90 Leave same; asc. 140 ft. to
 80.16 The cor. of secs. 25, 26, 35 and 36.
 Land, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, catclaw, greasewood and cactus.
 Jan. 24, 1916.
 H. P.

G. H. R.
 Jan. 26, 1916.
 N. 0° 01' W., bet. secs. 25 and 26, over mountainous land, through scattering undergrowth.
 Desc. NW. slope 130 ft. to
 8.20 Draw, course SW.; asc. SE. slope 150 ft. to
 13.20 Spur extends SW.; desc. NW. slope 55 ft. to
 16.80 Draw, course SW.; asc. SE. slope 115 ft. to
 21.50 Spur extends SW.; desc. NW. slope 130 ft. to
 33.30 Wash, 50 lks. wide, course SW.; asc. SE. slope 65 ft. to

Subdivision of T. 23 N., R. 21 W.

Chains

37.40 Spur extends SW.; desc. NW. slope.
 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 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. farther in the ground.
 59.80 Wash, 160 ft. below spur, 50 lks. wide, course SW.
 64.75 Wash, 50 lks. wide, course SW.; asc. S. slope 140 ft. to
 79.10 Spur extends W.; desc. N. slope.
 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. 23, 24, 25 and 26, with brass cap, marked
 T 23 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. farther in the ground.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

 East, on a random line, bet. secs. 24 and 25.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect E. bdy. of Tp. 14 lks. S. of the cor. of secs. 19, 24, 25 and 30, described in Book "A".
 Thence I run
 S. $89^{\circ}54'$ W., on a true line, bet. secs. 24 and 25, over mountainous land, through scattering undergrowth.
 Desc. broken S. slope 200 ft. to
 12.75 Draw, course S.; asc. E. slope 50 ft. to
 16.35 Spur extends S.; desc. W. slope 50 ft. to
 19.60 Draw, course S.; asc. E. slope 80 ft. to
 23.40 Spur extends S.; desc. broken W. slope 60 ft. to
 39.97 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 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. Impracticable to dig pits or set cor. in the ground.
 Asc. 65 ft. to
 46.70 Top of butte; desc. along rocky spur 390 ft. to
 64.00 Leave spur; slopes NW.
 68.90 Draw, course SW.; asc. 60 ft. to
 77.20 Spur extends SW.
 79.94 The cor. of secs. 23, 24, 25 and 26.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

 N. $0^{\circ}01'$ W., bet. secs. 23 and 24, over mountainous land, through scattering undergrowth.
 Desc. N. slope 115 ft. to
 4.70 Wash, 100 lks. wide, course W.; asc. broken S. slope 220 ft. to
 33.70 Spur extends SW.; desc. NW. slope 90 ft. to

Chains

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 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. Impracticable to dig pits or set cor. farther in the ground.

Jan. 26, 1916.

Jan. 28, 1916.

At 9h 00m a.m., l.m.t., I set off $35^{\circ}22'$ on the lat. arc; and $18^{\circ}23\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar, at the $\frac{1}{4}$ sec. cor., bet. secs. 23 and 24.

44.90 Thence I continue line N. $0^{\circ}01'W.$, bet. secs. 23 and 24. Gulch, course SW.; asc. along same for 3 chs., and thence along S. slope, ascending.

80.00 580 ft. above gulch,
 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. 13, 14, 23 and 24, with brass cap, marked

T 23 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. 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. 13 and 24.
 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect E. bdy. of Tp. 5 lks. N. of the cor. of secs. 13, 18, 19 and 24, described in Book "A".
 Thence I run

N. $89^{\circ}58'W.$, on a true line, bet. secs. 13 and 24, over mountainous land, through scattering undergrowth. Desc. W. slope 90 ft. to

5.07 Wash, 50 lks. wide, course SW.; asc. 300 ft. to

14.65 Spur extends SE.; desc. 120 ft. to

19.95 Head of draw, course SE.; asc. over broken SE. slope 80 ft. to

24.10 Ridge bears NE. and SW.; desc. W. slope.

39.95 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 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. Impracticable to dig pits or set cor. in the ground.

70.07 Gulch, 880 ft. below ridge, course SW.; asc. SE. slope 120 ft. to

79.90 The cor. of secs. 13, 14, 23 and 24.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, catclaw and cactus.

At this cor. I set off $18^{\circ}22'$ S. on the decl. arc; and at apparent noon observe the sun on the meridian.

The resulting lat. is $35^{\circ}23'$.

Subdivision of T. 23 N., R. 21 W.

Chains
 N.0°01'W., bet. secs. 13 and 14,
 over mountainous land, through scattering undergrowth.
 Asc. broken SE. slope.
 3.95 Asc. over cliff 45 ft. high.
 20.20 Spur extends SW.
 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 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
 the ground.
 44.80 Ridge, 590 ft. above sec. cor., bears NW. and SE.; desc.
 700 ft. to
 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.
 11, 12, 13 and 14, with brass cap, marked
 T 23 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. Impracticable to dig pits or set cor. far-
 ther in the ground.
 Land, mountainous.
 Soil, rocky; 4th rate.
 Undergrowth, greasewood and cactus.
 No timber.

Jan. 28, 1916.

 Jan. 25, 1916.
 To pass cliffs and butte on line E. of the cor. of secs.
 11, 12, 13 and 14, I offset North, 16.60 chs.
 Thence I run East on a random line, on offset, through
 sec. 12.
 40.00 On offset, set temp. $\frac{1}{4}$ sec. cor.
 51.32 Offset south, 16.60 chs., and thence run East, on random
 line, bet. secs. 12 and 13.
 80.00 Intersect E. bdy. of Tp. 8 lks. N. of the cor. of secs.
 7, 12, 13 and 18, described in Book "A".
 Thence I run
 N.89°57'W., on a true line, bet. secs. 12 and 13,
 over mountainous land, through scattering undergrowth.
 Asc. broken NE. slope 420 ft. to
 28.68 As the point for $\frac{1}{4}$ sec. cor. is inaccessible, at this sta-
 tion
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap,
 marked
 WC in W. half,
 $\frac{1}{4}$ 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. Impracticable to dig pits or set cor. in
 the ground.
 To pass cliffs I offset as follows:
 North on offset, descending 350 ft. to
 13.30 chs.; draw course NW.; asc. SW. slope 45 ft. to
 16.68 chs;
 Thence I run
 N.89°57'W., on offset, parallel to true line bet. secs.
 12 and 13.
 Desc. 300 ft. to
 40.00 (measured from the sec. cor.) thence asc 100 ft. to
 65.60 Rocky spur extends NW.; desc. broken W. slope 440 ft. to
 80.00 Thence offset south, 16.68 chs. to the cor. of secs.

Chains

11, 12, 13 and 14.

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

Undergrowth, greasewood, catclaw and cactus.

Jan. 25, 1916.

Jan. 29, 1916.

At 9h 00m a. m., l. m. t., I set off $35^{\circ}23\frac{1}{2}'$ on the lat. arc; and $18^{\circ}06'$ S. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 11, 12, 13 and 14.

Thence I run N. $0^{\circ}01'W.$, bet. secs. 11 and 12, over rolling mountainous land, through scattering undergrowth.

15.00 Wash, 3 chs. wide, course N. $80^{\circ}W.$

20.00 Wash, 5 chs. wide, course S. $50^{\circ}W.$; road in wash bears NE. and SW.;

40.00 Asc. gradually on S. slope, 75 ft. to Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground and 12 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$ on 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. Impracticable to dig pits or set cor. farther in the ground.

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

69.65 Wash, 15 lks. wide, course S. $20^{\circ}W.$; asc. gradually on S. slope, 120 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, with brass cap, marked

T 23 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. Impracticable to dig pits or set cor. farther in the ground.

Land, rolling mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood and cactus.

At this cor. I set off $18^{\circ}06'$ S. on the decl. arc; and at apparent noon I observe the sun on the meridian. The resulting lat. is $35^{\circ}24\frac{1}{2}'$.

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. at cor. of secs. 1, 6, 7 and 12, described in Book "A".

Thence I run

West, on a true line, bet. secs. 1 and 12, over rolling mountainous land, through scattering undergrowth. Line runs down broad wash.

20.00 Road bears SW. and NE.; leave wash, 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

Chains

$\frac{1}{4}$ 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. Impracticable to dig pits or set cor. farther
 in the ground.
 60.10 Head of wash, course SW.; asc. gradually on S. slope.
 80.00 The cor. of secs. 1, 2, 11 and 12.
 Land, rolling mountainous.
 Soil, rocky and sandy; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

N.0°01'W. on a random line, bet. secs. 1 and 2.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.93 Intersect N. bdy. of Tp. 23 lks. E. of the cor. of secs.
 1, 2, 35 and 36, described in Book "A".
 Thence I run
 S.0°11'E., on a true line, bet. secs. 1 and 2,
 asc. NE. slope 100 ft. to
 11.00 Spur extends N.85°E.; desc. 120 ft. to
 20.75 Head of wash, course N.80°E.; asc. NE. slope 30 ft. to
 25.70 Spur extends E.; desc. SE. slope 390 ft. to
 39.93 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 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. in the
 ground.
 79.93 Desc. S. slope 480 ft. to
 The cor. of secs. 1, 2, 11 and 12.
 Land, mountainous.
 Soil, rocky and sandy; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

Jan. 29, 1916.
G. H. R.

H. P.
 Jan. 25, 1916. From cor. of secs. 26, 27, 34 and 35,
 South, on a random line, bet. secs. 34 and 35.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.51 Intersect S. bdy. of Tp. 23 lks. W. of the cor. of secs.
 2, 3, 34 and 35, described in Book "A".
 Thence I run
 N.0°10'W., on a true line, bet. secs. 34 and 35,
 over rolling mountainous land, through scattering under-
 growth.
 15.85 Enter wash, course W.
 16.70 Leave same.
 40.51 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 34 in W., and
 S 35 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.
 49.10 Enter wash, course W.
 53.85 Leave same; asc. 100 ft. to
 63.50 Top of spur extends W.; desc. 70 ft. to
 75.15 Wash, 15 lks. wide, course NW.; asc. S. slope 115 ft. to
 80.51 The cor. of secs. 26, 27, 34 and 35.
 Land, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber; Undergrowth, greasewood, catclaw and cactus.

Chains

Jan. 25, 1916.
 At 9h 00m a.m., l.m.t., I set of 35°21' on the lat. arc;
 19°08' S. on the decl. arc; and determine a meridian
 with the solar, at the cor. of secs. 26, 27, 34 and 35.
 Thence I run
 N.0°01'W., bet. secs. 26 and 27,
 over rolling mountainous land, through scattering under-
 growth.
 Asc. S. slope 65 ft. to
 3.80 Top of spur extends W.; desc. N. slope 230 ft. to
 17.30 Wash, 60 lks. wide, course W.; asc. S. slope 85 ft. to
 27.00 Top of spur extends W.; desc. N. slope 60 ft. to
 34.30 Wash, 30 lks. wide, course NW.; asc. SW. slope 70 ft. to
 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,
 W. of cor. Impracticable to dig pits or set cor. in the
 ground.
 44.80 Top of spur, 80 ft. above $\frac{1}{4}$ sec. cor., extends SW.; desc.
 100 ft. to
 51.50 Wash, 20 lks. wide, course SW.; asc. SW. slope 160 ft. to
 59.10 Top of spur extends SW.; desc. 130 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the
 ground and 18 ins. in a mound of stone, for cor. of
 secs. 22, 23, 26 and 27, with brass cap, marked
 T 23 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. far-
 ther in the ground.
 Land, rolling mountainous.
 Soil, rocky and sandy; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Jan. 25, 1916.

 Jan. 28, 1916.
 East, on a random line, bet. secs. 23 and 26.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Intersect N. and S. line 18 lks. S. of the cor. of secs.
 23, 24, 25 and 26.
 Thence I run
 S.89°52'W., on a true line, bet. secs. 23 and 26,
 over rolling mountainous land, through scattering under-
 growth.
 Desc. 200 ft. to
 25.00 Wash, course W., and thence NW.; at bend; width, 2 chs.
 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 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.
 80.20 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 At this cor. I set off 18°22' S. on the decl. arc; and at
 apparent noon, observe the sun on the meridian. The
 resulting lat. is 35°21 $\frac{1}{2}$ '.

Chains

N.0°01'W., bet. secs. 22 and 23,
 over rolling mountainous land, through scattering under-
 growth.

18.00 Wash, 2 chs. wide, course NW.

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 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. Impracticable to dig pits or set cor. in
 the ground.

61.00 Wash, 4 chs. wide, course W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the
 ground and 18 ins. in a mound of stone, for cor. of secs.
 14, 15, 22 and 23, with brass cap, marked
 T 23 N S 15 in NW.,
 R 21 W S 14 in NE.,
 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 mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

40.00 East, on a random line, bet. secs. 14 and 23.
 Set temp. $\frac{1}{4}$ sec. cor.

80.14 Intersect N. and S. line 12 lks. S. of cor. of secs.
 13, 14, 23 and 24.
 Thence I run
 S.89°55'W., of a true line, bet. secs. 14 and 23,
 over rolling mountainous land, through scattering
 undergrowth.

11.00 Desc. 465 ft. to

40.07 In wash, course NW.,
 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
 $\frac{1}{4}$ 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. Impracticable to dig pits or set cor. far-
 ther in the ground.

Asc. 125 ft. to

48.00 Top of spur extends NW.; desc. 290 ft. to

70.15 Wash, 4 chs. wide, course SW.

80.14 The cor. of secs. 14, 15, 22 and 23.
 Land, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

Jan. 28, 1916.

Jan. 29, 1916.
 At 8h 30m a.m., l.m.t., I set off 35°22 $\frac{1}{2}$ ' on the lat arc;
 18°07 $\frac{1}{2}$ ' S. on the decl. arc; and determine a meridian
 with the solar at the cor. of secs. 14, 15, 22 and 23.
 Thence I run
 N.0°01'W., bet. secs. 14 and 15,
 over rolling mountainous land, through scattering under-
 growth.

25.00 Wash, 2 chs. wide, course SW.

12

Subdivision of T. 23 N., R. 21 W.

Chains

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 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 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.
- 57.00 Wash, 150 lks. wide, course SW.;
 dim road in wash, bears NE. and SW.
- 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. 10, 11, 14 and 15, with brass cap, marked
 T 23 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 mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, catclaw, greasewood and cactus.
 Jan. 29, 1916.
 H. P.
-
- G. H. R.
 Jan. 25 and 30, 1916.
 East, on a random line, bet. secs. 11 and 14.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 To pass cliffs, I offset north, 16.72 chs.
 Thence East, on offset.
- 80.12 Offset S. 16.72 chs. to line, at which point intersect N. and S. line 12 lks. S. of the cor. of secs. 11, 12, 13 and 14.
 To pass cliffs on return line, I offset N., 16.60 chs.
 Thence I run S. $89^{\circ}55'$ W., parallel to true line bet. secs. 11 and 14, through sec. 11. (on offset), over mountainous land, through scattering undergrowth.
- 5.00 Wash, 5.00 chs. wide, course W.; thence down same.
- 40.06 Offset south 16.60 chs., to true line.
 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 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. Impracticable to dig pits or set cor. farther in the ground.
 Thence S. $89^{\circ}55'$ W., on true line, bet. secs. 11 and 14.
- 70.40 Wash, 10 lks. wide, course SW. (250 ft. below $\frac{1}{4}$ sec. cor.)
 79.60 Road bears N. and S.
 80.12 The cor. of secs. 10, 11, 14 and 15.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Jan. 25 and 30, 1916.
 G. H. R.
-
- H. P.
 Jan. 29, 1916.
 N. $0^{\circ}01'$ W., bet. secs. 10 and 11,
 over roughly rolling and broken land, through scattering undergrowth.
- 1.90 Wash, 7 chs. wide, course W.; dim road bears E. and W.

Chains	
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 10 in W., and S 11 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.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 2, 3, 10 and 11, with brass cap, marked T 23 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. in the ground. Land, mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, catclaw 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.
79.94	Intersect N. and S. line at cor. of secs. 1, 2, 11 and 12. Thence I run West, on a true line, bet. secs. 2 and 11, over rolling mountainous land, through scattering undergrowth.
35.10	Wash, 10 lks. wide, course S.10°W.; asc. 120 ft. to
39.30	Spur extends S.
39.97	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground and 16 ins. in a mound of stone, for $\frac{1}{2}$ 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. Impracticable to dig pits or set cor. farther in the ground. Desc. 180 ft. to
59.30	Wash, 100 lks. wide, course S.70°W.
79.94	The cor. of secs. 2, 3, 10 and 11. Land, broken and rolling mountainous land. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, catclaw and cactus.
	G. H. R.

	H. P. N.0°01'W., on a random line, bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.71	Intersect N. bdy. of Tp. 12 lks. E. of the cor. of secs. 2, 3, 34 and 35, described in Book "A". Thence I run S.0°06'E., on a true line, bet. secs. 2 and 3, Over broken rolling mountainous land, through scattering undergrowth. Desc. 140 ft. to
5.50	Ravine, course W.
19.70	Wash, -; course W.; thence over broken, rolling land.
39.71	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

Chains

	<p>$\frac{1}{4}$ 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. farther in the ground.</p>
79.71	<p>The cor. of secs. 2, 3, 10 and 11. Land, rolling mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, catclaw and cactus. Jan. 29, 1916. H. P.</p>

	<p>H.P. Jan. 25, 1916. From cor. of secs. 27, 28, 33 and 34, South, on a random line, bet. secs. 33 and 34.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.80	Intersect S. bdy. of Tp. 29 lks. W. of the cor. of secs. 3, 4, 33 and 34, described in Book "A". Thence I run N.0°12'W., on a true line, bet. secs. 33 and 34, over rolling mountainous land, through scattering under- growth. Asc. 60 ft. to
5.80	Top of spur extends W.
30.20	Enter wash, course NW.
34.00	Leave same.
40.80	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground and 10 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ 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, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.
64.55	Wash, 30 lks. wide, course W.
73.00	Top of low spur extends W.
80.40	Wash, 40 lks. wide, course W.
80.80	The cor. of secs. 27, 28, 33 and 34. Land, rolling and rolling mountainous. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, catclaw and cactus.

	<p>N.0°02'W., bet. secs. 27 and 28, over rolling mountainous land, through scattering under- growth. Asc. 100 ft. to</p>
5.90	Top of spur extends W.
11.50	Enter wash, course NW.
13.50	Leave same.
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 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.
51.20	Enter wash, course NW.
53.30	Leave same.
65.80	Wash, 20 lks. wide, course W.
73.70	Enter wash, course SW.
79.70	Leave same.

Chains
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground and 20 ins. in a mound of stone, for cor. of secs. 21, 22, 27 and 28, with brass cap, marked
 T 23 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;
 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, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Jan. 25, 1916.

Jan. 28, 1916.
 At 9h 00m a.m., l.m.t., I set off 35°21½' on the lat. arc; 18°23½' S. on the decl. arc; and determine a meridian at the cor. of secs. 21, 22, 27 and 28, with the solar.
 Thence I run
 East, on a random line, bet. secs. 22 and 27.
 40.00 Set temp. ¼ sec. cor.
 80.14 Intersect N. and S. line 8 lks. N. of the cor. of secs. 22, 23, 26 and 27.
 Thence I run
 N. 89°57' W., on a true line, bet. secs. 22 and 27, over rolling mountainous land, through scattering undergrowth.
 40.07 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 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. Impracticable to dig pits or set cor. farther in the ground.
 74.65 Enter wash, course SW.
 79.65 Leave same.
 80.14 The cor. of secs. 21, 22, 27 and 28.
 Land, rolling and rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Jan. 28, 1916.
 H. P.

G. H. R.
 Jan. 30, 1916.
 At 9h 00m a.m., l.m.t., I set off 35°21½' on the lat. arc; 17°51½' S. 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. 0°02' W., bet. secs. 21 and 22,
 Asc. gradually over broken and rolling mountainous land, through scattering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground and 16 ins. 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.

16

Subdivision of T. 23 N., R. 21 W.

Chains

- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground and 8 ins. in a mound of stone, for cor. of secs. 15, 16, 21 and 22, with brass cap, marked
 T 23 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, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.
 Land, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.
-
- 40.00 East, on a random line, bet. secs. 15 and 22.
 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line 24 lks. N. of the cor. of secs. 14, 15, 22 and 23.
 Thence I run
 N. $89^{\circ}50'W.$, on a true line, bet. secs. 15 and 22, over rolling mountainous land, through scattering undergrowth.
 Desc. gradually on NE. slope 250 ft. to
- 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
 $\frac{1}{4}$ 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 ground.
 Desc. 100 ft. to
- 45.45 Wash, 6 chs. wide, course SW.; asc. gradually 100 ft. to
- 58.60 Thence desc. SW. slope 200 ft. to
- 80.00 The cor. of secs. 15, 16, 21 and 22.
 Land, rolling mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.
-
- N. $0^{\circ}02'W.$, bet. secs. 15 and 16,
 over rolling mountainous land, through scattering undergrowth.
 Desc. 30 ft. to
- 4.50 Wash, 30 lks. wide, course S. $50^{\circ}W.$; asc. 115 ft. to
- 14.80 Asc. SW. slope 70 ft. to.
- 24.70 Wash, 30 lks. wide, course S. $75^{\circ}W.$; asc. SE. slope 100 ft. to
- 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 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. farther in the ground. Descend 40 ft. to
- 44.90 Wash, 3 chs. wide, course S. $75^{\circ}W.$
- 59.00 Wash, 50 lks. wide, course S. $60^{\circ}W.$
- 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. 9, 10, 15 and 16, with brass cap, marked

Subdivision of T. 23 N., R. 21 W.

Chains

T 23 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, 1½ ft. high,
W. of cor. Impracticable to dig pits or set cor. farther
in the ground.

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

40.00
80.08

East, on a random line, bet. secs. 10 and 15.
Set temp. ¼ sec. cor.
Intersect N. and S. line 30 lks. N. of the cor. of secs.
10, 11, 14 and 15.
Thence I run
N. 89° 47' W., on a true line, bet. secs. 10 and 15,
over broken rolling land, through scattering under-
growth.

30.15
40.04

Wash, 7 chs. wide, course S. 80° W.
Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for ¼ sec. cor., with brass cap, marked
¼ S 10 in N. half,
S 15 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.

80.08

The cor. of secs. 9, 10, 15 and 16.
Land, rolling and broken.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood and catclaw.

Jan. 30, 1916.

Feb. 3, 1916.
At 8h 00m a.m., l.m.t., I set off 35° 23½' on the lat arc;
16° 44' 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

17.03
40.00

N. 0° 02' W., bet. secs. 9 and 10,
over broken rolling land, through scattering undergrowth.
Wash, 30 lks. wide, course S. 60° W.
Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground and 14 ins. in a mound of stone, for ¼ sec. cor.,
with brass cap, marked
¼ 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, 1½ ft. high,
W. of cor. Impracticable to dig pits or set cor. farther
in the ground.

62.00
80.00

Wash, 50 lks. wide, course S. 50° W.
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.
3, 4, 9 and 10, with brass cap, marked
T 23 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, 1½ ft. high,
W. of cor. Impracticable to dig pits or set cor.
farther in the ground.

Chains Land, broken and rolling.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood and cactus.
At this cor. I set off $16^{\circ}42\frac{1}{2}'$ on the decl. arc; and at
apparent noon observe the sun on the meridian. The re-
sulting lat. is $35^{\circ}24\frac{1}{2}'$.

Feb. 3, 1916.
G. H. R.

H. P. Jan. 29, 1916.
East, on a random line, bet. secs. 3 and 10.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.08 Intersect N. and S. line 12 lks. N. of the cor. of secs.
2, 3, 10 and 11.
Thence I run
N. $89^{\circ}55'W.$, on a true line, bet. secs. 3 and 10,
over roughly rolling land, through scattering under-
growth.
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 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. in
the ground.
80.08 The cor. of secs. 3, 4, 9 and 10.
Land, roughly rolling.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, catclaw and cactus.

Jan. 29, 1916.
H. P.

G. H. R.
Feb. 3, 1916.
N. $0^{\circ}02'W.$, on a random line, bet. secs. 3 and 4.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79:18 Intersect N. bdy. of Tp. at cor. of secs. 3, 4, 33 and 34
described in Book "A".
Thence I run
S. $0^{\circ}02'E.$, on a true line, bet. secs. 3 and 4,
over broken rolling land, through scattering undergrowth.
39.18 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground and 6 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 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.
39.40 Enter wash, course S. $85^{\circ}W.$
49.40 Leave same.
60.00 Asc. 170 ft. to
79.18 The cor. of secs. 3, 4, 9 and 10.
Land, roughly rolling.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood and cactus.

Feb. 3, 1916.
G. H. R.

H.P.
Jan. 26, 1916. From cor. of secs. 28, 29, 32 and 33,
South, on a random line, bet. secs. 32 and 33.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
81.12 Intersect S. bdy. of Tp. 30 lks. W. of the cor. of secs.
4, 5, 32 and 33, described in Book "A".

Chains

Thence I run
 N.0°13'W., on a true line, bet. secs. 32 and 33,
 over eroded rolling plateau, through scattering under-
 growth.

X41.12 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the
 ground and 11 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 ground.

54.90 Wash, 2 chs. wide, course NW.
 66.10 Wash, 2 chs. wide, course SW.

X81.12 The cor. of secs. 28, 29, 32 and 33.
 Land, rolling, eroded plateau.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

At the cor. of secs. 28, 29, 32 and 33, I set off 18°52 $\frac{1}{2}$ '
 S. on the decl. arc; and at apparent noon, observe the
 sun on the meridian. The resulting lat. is 35°21'.
 Thence I run
 N.0°03'W., bet. secs. 28 and 29,
 over rolling broken plateau, through scattering undergrowth.

32.00 Enter wash, course W.
 40.00 In wash,

Set an iron post, 3 ft. long, 1 in. diam., 17 ins. in the
 ground and 9 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.

49.00 Leave wash.

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.
 20, 21, 28 and 29, with brass cap, marked

T 23 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 and broken plateau.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

40:00 East, on a random line, bet. secs. 21 and 28.

79.96 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line 7 lks. S. of the cor. of secs.
 21, 22, 27 and 28.

Thence I run
 S. 89°57'W., on a true line, bet. secs. 21 and 28,
 over rolling land, through scattering undergrowth.

39.98 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

$\frac{1}{4}$ S 21 in N. half,
 S 28 in S. half, and
 1916 in S. rim;

20

Subdivision of T. 23 N., R. 21 W.

Chains

	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.
79.96	The cor. of secs. 20, 21, 28 and 29. Land, rolling. Soil, 4th rate. No timber. Undergrowth, greasewood and cactus. Jan. 26, 1916.

	Jan. 30, 1916. At 9h 00m a.m., l.m.t., I set off $17^{\circ}51\frac{1}{2}'$ S. on the decl. arc; and $35^{\circ}21\frac{1}{2}'$ on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 20, 21, 28 and 29. Thence I run N. $0^{\circ}03'$ W., bet. secs. 20 and 21, over rolling mountainous land, through scattering undergrowth. Enter wash, course S. 80° W. Leave same; asc. 180 ft. to Spur extends SW. Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground and 6 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. farther in the ground.
.10	
1.60	
28.50	
40.00	
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs, 16, 17, 20 and 21, with brass cap, marked T 23 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. Land, rolling mountainous. 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.
79.94	Intersect N. and S. line 4 lks. S. of the cor. of secs. 15, 16, 21 and 22. Thence I run S. $89^{\circ}58'$ W., on a true line, bet. secs. 16 and 21, over rolling and broken land, through scattering undergrowth.
39.97	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 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. farther in the ground.
79.94	The cor. of secs. 16, 17, 20 and 21. Land, rolling and broken. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, catclaw and cactus.

Chains

N.0°03'W., bet. secs. 16 and 17.
 over rolling land, through scattering undergrowth.
 7.30 Wash, 3 chs. 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 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. far-
 ther in the ground.
 79.00 Enter wash, course SW.
 80.00 In wash,
 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.
 8, 9, 16 and 17, with brass cap, marked
 T 23 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. far-
 ther in the ground.
 Land, broken and rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

 East, on a random line, bet. secs. 9 and 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.86 Intersect N. and S. line at cor. of secs. 9, 10, 15 and 16.
 Thence I run
 West, on a true line, bet. secs. 9 and 16,
 over rolling and broken land, through scattering under-
 growth.
 39.93 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 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.
 66.85 Enter wash, 100 lks. wide, course W.; thence down bed of
 same.
 79.86 The cor. of secs. 8, 9, 16 and 17.
 Land, broken and rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catflaw and cactus.

 N.0°03'W., bet. secs. 8 and 9,
 over rolling land, through scattering undergrowth.
 Cross wash.
 .20 Leave same, course S.80°W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
 ground and 6 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. far-
 ther in the ground.

Chains

43.00 Wash, 100 lks. wide, course W.
 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. 4, 5, 8 and 9, with brass cap, marked
 T 23 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, 1½ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Jan. 30, 1916.
 H. P.

G. H. R.
 Feb. 3, 1916.
 East, on a random line, bet. secs. 4 and 9.
 40.00 Set temp. ¼ sec. cor.
 79.80 Intersect N. and S. line 14 lks. N. of the cor. of secs. 3, 4, 9 and 10.
 Thence I run
 N. 89° 54' W., on a random line, bet. secs. 4 and 9, over rolling land, through scattering undergrowth.
 39.90 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in ground and 8 ins. in mound of stone, for ¼ sec. cor., with brass cap, marked
 39.50 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground and 8 ins. in a mound of stone, for ¼ sec. cor., with brass cap, marked
 39.50 S 4 in N. half;
 S 9 in S half;
 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.
 41.27 Enter wash, course SW. 2 ft. base, 1½ ft. high,
 51.99 Leave same. Impracticable to dig pits or set cor. farther in the ground.
 79.80 The cor. of secs. 4, 5, 8 and 9.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber,
 Undergrowth, greasewood and cactus.

N. 0° 03' W., on a random line, bet. secs. 4 and 5.
 40.00 Set temp. ¼ sec. cor.
 78.71 Intersect N. bdy. of Tp. 15 lks. E. of the cor. of secs. 4, 5, 32 and 33, described in Book "A".
 Thence I run
 S. 0° 09' E., on a true line, bet. secs. 4 and 5, over rolling land, through scattering undergrowth.
 33.75 Wash, 160 ft. below sec. cor., 100 lks. wide, course W.
 38.71 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 4 in E.; and
 S 5 in W. 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.
 59.70 Wash, 100 lks. wide, course SW.
 78.71 The cor. of secs. 4, 5, 8 and 9.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.
 Feb. 3, 1916. G. H. R.

Chains

H. P. Feb. 1, 1916.
 At the cor. of secs. 29, 30, 31 and 32, I set off 17°17' S. on the decl. arc; and at apparent noon, observe the sun on the meridian. The resulting lat. is 35°21'.
 Thence I run South, on a random line, bet. secs. 31 and 32.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 81.53 Intersect S. bdy. of Tp. 38 lks. W. of the cor. of secs. 5, 6, 31 and 32, described in Book "A".
 Thence I run N.0°16'W., on a true line, bet. secs. 31 and 32, over rolling land, through scattering undergrowth.
 20.53 Wash, 40 lks. wide, course NW.
 41.53 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 31 in W., and
 S 32 in E. half; and 1916 in S. rim;
 and raise mound of stone, 2ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits, or set cor. farther in ground.
 58.39 Wash, 20 lks. wide, course W.
 79.53 Wash, course SW.
 81.53 The cor. of secs. 29, 30, 31 and 32.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

N.0°03'W., bet. secs. 29 and 30,
 over roughly rolling and broken land, through scattering undergrowth.
 27.00 Wash, 2 chs. wide, course W.
 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 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. Impracticable to dig pits or set cor. in the ground.
 60.00 Wash, 30 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. 19, 20, 29 and 30, with brass cap, marked
 T 23 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.
 Land, rolling. Soil, rocky, 4th rate. Feb. 1, 1916.
 No timber, Undergrowth, greasewood, catclaw and cactus.
 Feb. 1, 1916. H.P.

G. H. R.
 Feb. 2, 1916.
 At 9h 00m a.m., l.m.t., I set off 35°21 $\frac{1}{2}$ ' on the lat. arc; 17°01 $\frac{1}{2}$ ' 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. $\frac{1}{4}$ sec. cor.
 80.14 Intersect N. and S. line 11 lks. N. of the cor. of secs. 20, 21, 28 and 29.
 Thence I run N.89°55'W., on a true line, bet. secs. 20 and 29, over broken rolling land, through scattering undergrowth.

Chains

.50 Enter wash, course S.80°W.
 10.00 Leave same.
 29.85 Wash, 100 lks. wide, course SW.
 39.90 Right bank of wash, at bend; 5 chs. wide, course SW.
 40.07 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 20 in N. half,
 S 29 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.
 61.70 Wash, 30 lks. wide, course S.70°W.
 80.14 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

 West, on a true line, bet. secs. 19 and 30, over rolling and broken land, through scattering undergrowth.
 39.00 Enter wash, course S.65°W.
 40.00 In wash,
 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
 $\frac{1}{4}$ S 19 in N. half,
 S 30 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.
 47.00 Leave wash.
 78.58 Intersect W. bdy. of Tp. 174 lks. N. of the cor. of secs. 19, 24, 25, 30, described in Book "A." Change marking to refer to secs. 24 and 25 only. At point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground and 12 ins. in a mound of stone, for closing cor. of secs. 19 and 30, with brass cap, marked
 CC in E. half,
 T 23 N S 24 R 22 W in W. half,
 T 23 N S 19 in NE., and
 S 30 R 21 W in SE. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. Impracticable to dig pits or set cor. farther in the ground.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

Feb. 2, 1916.
G. H. R.

 H. P.
 Feb. 2, 1916.
 At 9h 00m a.m., l.m.t., I set off $35^{\circ}21\frac{1}{2}'$ on the lat. arc; $17^{\circ}01\frac{1}{2}'$ 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
 N.0°03'W., bet. secs. 19 and 20,
 over rolling, broken land, through scattering undergrowth.
 14.75 Wash, 5 chs. wide, course 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 19 in W., and
 S 20 in E. half; and
 1916 in S. rim;

Subdivision of T. 23 N., R. 21 W.

Chains

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., 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, with brass cap, marked

T 23 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.

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

H. P.

G. H. R.

40.00 East, on a random line, bet. secs. 17 and 20
Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line 4 lks. N. of the cor. of secs. 16, 17, 20 and 21.
Thence I run
N. 89° 58' W., on a true line, bet. secs. 17 and 20, over broken, rolling land, through scattering undergrowth.

8.15 Wash, 100 lks. wide, course SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 13 ins. in the ground and 13 ins. in a mound of stone, 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.

80.00 The cor. of secs. 17, 18, 19 and 20.
Land, rolling and broken.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood and sagebrush.

West, on a true line, bet. secs. 18 and 19, over rolling and broken land, through scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground and 11 ins. in a mound of stone, for ¼ sec. cor., with brass cap, marked

¼ S 18 in N. half,
S 19 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.

48.40 Wash, 100 lks. wide, course SW.

78.39 Intersect W. bdy. of Tp. 2.02 chs. N. of the cor. of secs. 13, 18, 19 & 24, described in Book "A".
At point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground and 6 ins. in a mound of stone, for closing cor. of secs. 18 and 19, with brass cap, marked

CC in E. half,
T 23 N S 13 R 22 W in W. half,
T 23 N S 18 in NE., and
S 19 R 21 W in SE. quadrant; and
1916 in S. rim;

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

Chains Change marking of cor. of secs. 13, 18, 19 and 24 to refer to secs. 13 and 24 only.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

G. H. R.

H. P. From cor. of secs. 17, 18, 19 and 20.
 N. 0° 03' W., bet. secs. 17 and 18,
 over rolling and broken land, through scattering undergrowth.
 14.75 Wash, 100 lks. wide, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground and 6 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. farther in the ground.

45.00 Wash, course W.
 64.70 Wash, 80 lks. wide, course W.; (about 50 ft. deep).
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, with brass cap, marked
 T 23 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.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

At this cor. I set off 17° 00' S. on the decl. arc; and at apparent noon, observe the sun on the meridian. The resulting lat. is 35° 23 $\frac{1}{2}$ '.

Feb. 2, 1916.

Feb. 3, 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 16 lks. N. of the cor. of secs. 8, 9, 16 and 17.
 Thence I run
 N. 89° 53' W., on a true line, bet. secs. 8 and 17,
 over rolling, broken land, through scattering undergrowth.
 Across wash.
 Leave same.
 .50
 40.05 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 8 in N. half,
 S 17 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.
 57.10 Wash, 2 chs. wide, course S.
 80.10 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

Chains

West, on a true line, bet. secs. 7 and 18,
 over rolling land, through scattering undergrowth.
 32.30 Wash, 150 lks. wide, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
 ground and 6 ins. in a mound of stone, 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. farther
 in the ground.
 70.00 Wash, course S. 80° W.
 78.38 Intersect W. bdy. of Tp. 2.13 chs. N. of the cor. of secs.
 of secs. 7, 12, 13 & 18, described in Book "A." Change markings
 on this cor. to refer to secs. 12 & 13 only. At pt. of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the
 ground and 8 ins. in a mound of stone, for closing cor.
 of secs. 7 and 18, with brass cap, marked
 CC in E. half,
 T 23 N S 12 R 22 W in W. half,
 T 23 N S 7 in NE., and
 S 18 R 21 W in SE. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 E. of cor. Impracticable to dig pits or set cor. farther
 in the ground.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 3, 1916.

Feb. 2, 1916. From cor. of secs. 7, 8, 17 and 18,
 N. $0^{\circ}03'$ W., bet. secs. 7 and 8,
 over broken, rolling land, through scattering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{2}$ 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.
 72.00 Wash, 100 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. 5, 6, 7 and 8, with brass cap.
 marked
 T 23 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;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

East, on a random line, bet. secs. 5 and 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.18 Intersect N. & S. line, 17 lks. N. of cor. of secs. 4, 5, 8 and 9,
 Thence I run
 N. $89^{\circ}53'$ W., on a true line, bet. secs. 5 and 8,
 over broken and rolling land, through scattering
 undergrowth.

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Subdivision of T. 23 N., R. 21 W.

Chains

40.09 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 5 in N. half,
 S 8 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.

45.50 Enter wash, course SW.
 48.28 Leave same.
 69.20 Center of wash, 2 chs. wide, course SW.
 80.18 The cor. of secs. 5, 6, 7 and 8.
 Land, broken and rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 2, 1916.

Feb. 3, 1916.
 At 9h 00m a.m., l.m.t., I set off $35^{\circ}24\frac{1}{2}'$ on the lat. arc; and $16^{\circ}44'$ S. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 5, 6, 7 and 8.
 Thence I run
 West, on a true line, bet. secs. 6 and 7,
 over broken, rolling land, through scattering undergrowth.

20.00 Enter wash, course SW.
 30.00 Leave same.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground and 6 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 6 in N. half,
 S 7 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.

78.22 Intersect W. bdy. of Tp. 2.18 chs. N. of the cor. of secs. 1, 6, 7 & 12, described in Book "A." Change markings on this cor. to refer to secs. 1 & 12 only. At pt. of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground and 4 ins. in a mound of stone, for closing cor. of secs. 6 and 7, with brass cap, marked
 CC in E. half,
 T 23 N S 1 R 22 W in W. half,
 T 23 N S 6 in NE., and
 S 7 R 21 W in SE. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. Impracticable to dig pits or set cor. in the ground.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 Feb. 3, 1916.

Feb. 2, 1916.
 N. $0^{\circ}03'$ W., on a random line, bet. secs. 5 and 6.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.34 Intersect N. bdy. of Tp. 21 lks. E. of the cor. of secs. 5, 6, 31 and 32, described in Book "A".
 Thence I run
 S. $0^{\circ}12'$ E., on a true line, bet. secs. 5 and 6,
 over broken and rolling land, through scattering undergrowth.

23.35 Wash, 100 lks. wide, course SW.
 38.34 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
 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 1/2 ft. high,
 W. of cor. Impracticable to dig pits or set cor. farther
 in the ground.

70.35 Wash, 7.00 chs. wide, course W.
 78.34 The cor. of secs. 5, 6, 7 and 8.

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

Feb. 2, 1916.
 H. P.

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

GENERAL DESCRIPTION.

The two eastern ranges of sections in this township are rough and mountainous, with high high ridges and buttes, and deep canyons, the sides of which are for the most part perpendicular cliffs. The western portion is a rolling plateau, cut by numerous deeply eroded washes, with precipitous banks, draining in a southwesterly direction to the Colorado river.

The soil is all rocky; 4th rate.

Vegetation consists solely of desert growth such as greasewood, catclaw and cactus, with a very small quantity of grass.

There is no water, and the township is without settlers.

Considerable prospecting has been done, but there is no evidence of valuable mineral having been found.

 U. S. Surveyor.

 U. S. Surveyor.

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FOR
CERTIFICATE OF UNITED STATES SURVEYOR.
AND UNITED STATES TRANSITMAN
See Books "B" and "C"

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 23 NORTH, RANGE 21 WEST,

of the Gila and Salt River Base and 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, _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank D. Smith
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.~~