

3147

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Guy
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BOOK 3147

NOV 19 1917

Book "O"
(Subdivisions)

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES

and

MEANDERS OF LEFT BANK OF COLORADO RIVER WITHIN FRACTIONAL

TOWNSHIP 23 NORTH, RANGE 22 WEST,

3147

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Guy H. Richardson, U.S. Surveyor,

and

or Hugo Price, U.S. Transitman,

3147

~~In the capacity of U.S. Surveyor~~, 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 Jan. 12, 1916.

Survey completed Feb. 23, 1916.

Executed under Assignment
Instructions dated Nov. 29, 1915.

BOOK 3147

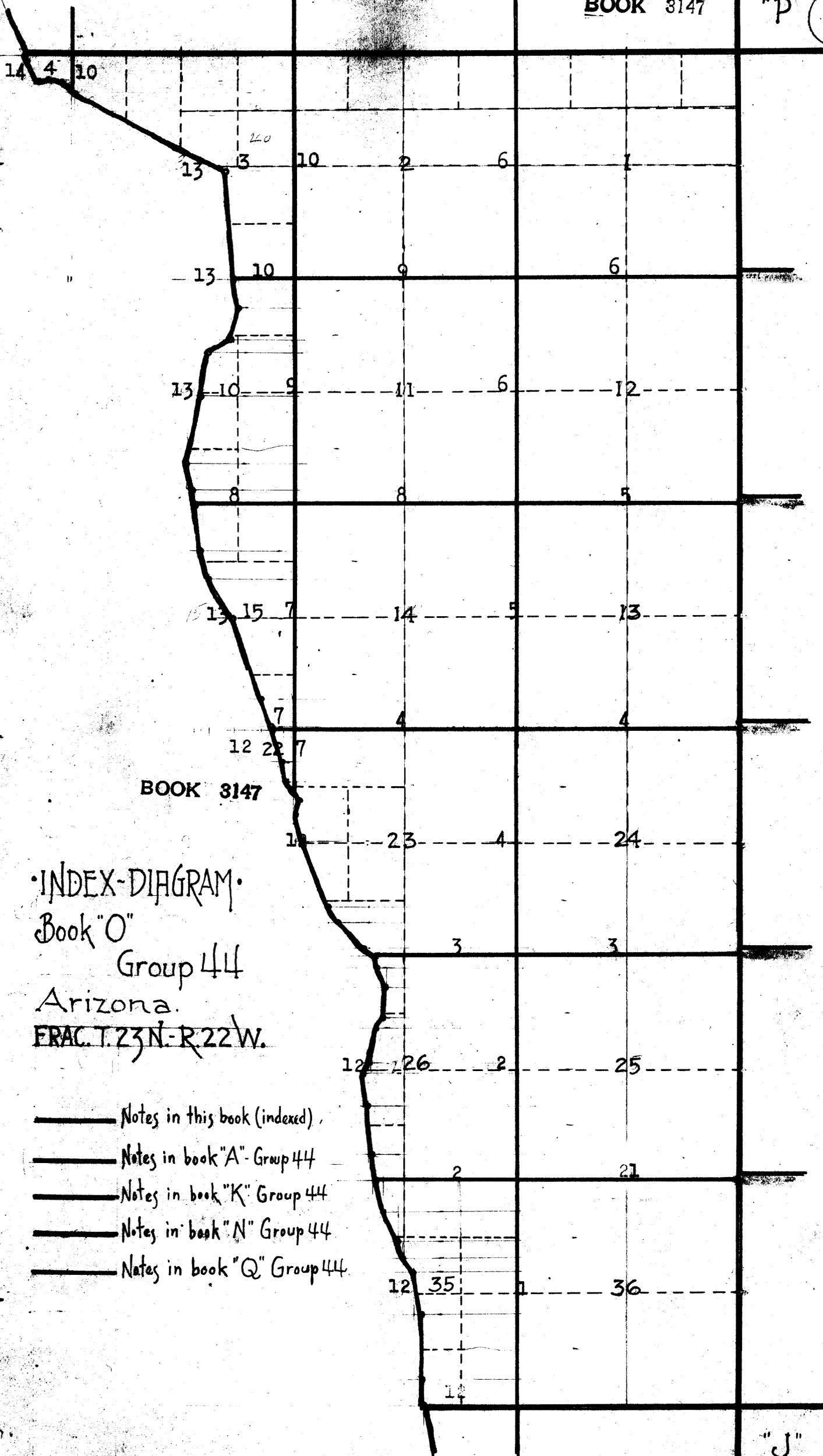
Book "0"
(Subdivisions)
Group 44

See Special Index Diagram.

INDEX DIAGRAM.

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BOOK 3147

INDEX-DIAGRAM

Book "O"

Group 44

Arizona.

FRAC. T. 23 N. - R. 22 W.

- Notes in this book (indexed).
- Notes in book "A" - Group 44
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Subdivision of Fractional T. 23 N. R. 22 W.

Chains

Survey commenced Jan. 12, 1916, and executed jointly 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.

G. H. R.

Jan. 13, 1916.

At 9h 00m a.m., l.m.t., I set off 35°20' on the lat. arc; 21°35½' S. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 1, 2, 35 and 36, described in Book "A".

Thence I run

N.0°01'W., bet. sec.36, and frac1.sec.35.

over rolling mountainous land, through scattering undergrowth. Asc. 50 ft. to

10.50
14.90
20.00
34.50
40.00

Desc. 50 ft. to bottom land of Colorado river.

Enter bottom land.

Thence over broken rolling land.

Deep wash, 5.00chs. wide, course W.

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

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.

59.50
80.00

Deep wash, 5 chs. wide, course W.; asc. 130 ft. to

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 25, and 36, and frac1.secs.26 and 35, with brass cap, marked,

T 23 N S 26 in NW.,
R 22 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.

Land, rolling and broken.

Soil, rocky, sandy loam; 4th rate.

No timber.

Undergrowth, greasewood and cactus.

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

40.00
80.10

Set temp. ¼ sec. cor.

Intersect E. bdy. of Tp. 8 lks. S. of the cor. of secs. 25, and 36, described in Books "A" and "N." (Originally cor. of 4 secs., but changed as described in Book "N.") Thence

S.89°57'W., on a true line, bet. secs. 25 and 36, over rolling mountainous land, through scattering undergrowth. Desc. gradually 150 ft. to

2

Subdivision of Fractional T. 23 N., R. 22 W.

Chains

- 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 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. farther in the ground.
- 60.30 Desc. gradually 50 ft. to
 Deep wash, 5 chs. wide, course S. 70° W.
- 80.10 The cor. of secs. 25, 36, and frac. secs. 26 and 35.
 Land, rolling and broken.
 Soil, stony and sandy loam; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

- fracl.
- West, on a true line, bet. secs. 26 and 35, over rolling mountainous land, through scattering undergrowth. Desc. SW. slope 140 ft. to
- 14.80 Head of wash, course SW.
- 34.30 Enter river bottom.
- 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 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.
- 49.78 To left bank of Colorado river, brs. N. 9° W. & S. $11\frac{1}{2}^{\circ}$ E.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for meander cor. of fracl. secs. 26 and 35, with brass cap, marked
 MC in W. half,
 T 23 N S 26 in NE., and
 R 22 W S 35 in SE. quadrant; and
 1916 in S. rim;
 dig a pit, 36x36x12 ins., E. of post, 8 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.
 Land, rolling and broken.
 Soil, stony, sandy loam; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

- From cor. of secs. 25, 36 and fracl. secs. 26 and 35, N. $0^{\circ} 01'$ W., bet. sec. 25, and fracl. sec. 26.
 over rolling and broken land, through scattering undergrowth.
- 24.65 Deep wash, 2 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 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.
- 59.65 Deep wash, 5 chs. wide, course W.
- 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. 24, 25, & frac. secs. 23 and 26, with brass cap, marked
 T 23 N S 23 in NW.,
 R 22 W S 24 in NE.,
 S 25 in SE., and
 S 26 in SW. quadrant; and
 1916 in S. rim;

Subdivision of Fractional T. 23 N., R. 22 W.

Chains

Jan. 14, 1916. From cor. of secs. 24, 25, and frac. secs. 23 & 26, N. 0° 01' W., bet. sec. 24 and frac. sec. 23.

over rolling and broken land, through scattering undergrowth.

19.65 Wash, 100 lks. wide, course W.

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 1/4 sec. cor., with brass cap, marked

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 1/2 ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.

49.90 Wash, 100 lks. wide, course 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. 13, 14, 24 and frac. sec. 23, with brass cap, marked

T 23 N S 14 in NW.,
R 22 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 1/2 ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.

Land, rolling and broken.

Soil, rocky and sandy loam; 4th rate.

No timber.

Undergrowth, greasewood and cactus.

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

40.00 Set temp. 1/4 sec. cor.

80.08 Intersect E. bdy. of Tp. 2 lks. N. of cor. of secs. 13, 14, and 24, described in Books "A" and "N." (originally cor. of 4 secs., but changed as described in Book "N.") Thence N. 89° 59' W., on a true line, bet. secs. 13 and 24, over broken and rolling land, through scattering undergrowth.

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

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

80.08 Desc. gradually on SW. slope 150 ft. to the cor. of secs. 13, 14, 24 and frac. sec. 23.

Land, rolling and broken.

Soil, rocky and sandy loam; 4th rate.

No timber.

Undergrowth, greasewood and cactus.

West, on a true line, bet. sec. 14, and frac. sec. 23.

over rolling and broken line, through scattering undergrowth.

10.71 Wash, 30 lks. wide, course SW.

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

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 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., 24 ins. in the

Chains

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

T 23 N S 15 in NW.,
R 22 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.

Land, rolling and broken.

Soil, rocky and sandy; 4th rate.

Undergrowth, greasewood and cactus.

No timber.

Jan. 14, 1916.

G. H. R.

H. P.

Jan. 15, 1916. From cor. of secs. 13, 14, 24 and frac. sec. 23, The sun being obscured by clouds, I proceed by means of transit lines with bearings as previously determined.

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

over rolling and broken land, through scattering undergrowth.

1.80 Wash, 50 lks. wide, course SW.

29.70 Enter deep wash, course W.

32.90 Leave same.

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 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.

44.30 Enter deep wash, course SW.

46.75 Leave same.

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. 11, 12, 13 and 14, with brass cap, marked

T 23 N S 11 in NW.,
R 22 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. farther in the ground.

Land, rolling and broken.

Soil, rocky and sandy loam; 4th rate.

No timber.

Undergrowth, greasewood and cactus.

East, on a random line, bet. secs. 12 and 13,

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

80.00 Intersect E. bdy. of Tp. 11 lks. N. of the cor. of secs. 12 and 13, described in Books "A" and "N," (originally set for 4 secs. but changed as described in Book "N.") Thence N. $89^{\circ}55'$ W., on a true line, bet. secs. 12 and 13, over rolling and broken land, through scattering undergrowth.

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

$\frac{1}{4}$ S 12 in N. half,
S 13 in S. half, and
1916 in S. rim;

x and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.

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80.00 *x* and raise a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor.
The cor. of secs. 11, 22, 13 and 14.
Land rolling and broken.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, catclaw and cactus.

N. 0° 01' W., bet. secs. 11 and 12,
over rolling and broken land, through scattering under-
growth.
5.00 Enter wash, course W.
8.30 Leave same.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for 1/4 sec. cor., with brass cap, marked
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 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. 1, 2, 11 and 12, with brass
cap, marked
T 23 N S 2 in NW.,
R 22 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 1/2 ft. high,
W. of cor.
Land, rolling and broken.
Soil, rocky and sandy; 4th rate.
No timber.
Undergrowth, greasewood and catclaw.

40.00 East, on a random line, bet. secs. 1 and 12.
Set temp. 1/4 sec. cor.
80.00 Intersect E. bdy. of Tp. 9 lks. S. of the cor. of secs.
1, and 12, described in Books "A" and "N." (originally set
for 4 secs., but changed as described in Book "N.") Thence
S. 89° 56' W., on a true line, bet. secs. 1 and 12,
over rolling 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 1/4 sec. cor.,
with brass cap, marked
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 1/2 ft. high,
N. of cor. Impracticable to dig pits or set cor. far-
ther in the ground.

80.00 The cor. of secs. 1, 2, 11 and 12.
Land, rolling.
Soil, rocky and sandy; 4th rate.
No timber.
Undergrowth, greasewood and catclaw.
Solar observations impossible during day on account of clouds.
Jan. 15, 1916.

Jan. 20, 1916.
N. 0° 01' W., on a random line, bet. secs. 1 and 2.
40.00 Set temp. 1/4 sec. cor.
80.10 Intersect N. bdy. of Tp. 3 lks. W. of the cor. of secs.
1, 2, 35 and 36, described in Book "A".
Thence I run
South, on a true line, bet. secs. 1 and 2,

Subdivision of Fractional T. 23 N., R. 22 W.

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Chains

over rolling and broken land, through scattering undergrowth.

17.40 Wash, 100 lks. wide, course W.

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
 $\frac{1}{4}$ 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.

52.10 Enter wash, course W.

57.40 Leave same.

80.10 The cor. of secs. 1, 2, 11 and 12.
 Land, rolling, and broken.
 Soil, rocky and sandy; 4th rate.
 No timber.
 Undergrowth, greasewood and catclaw.

Jan. 20, 1916.
H. P.

G. H. R.
 Jan. 15, 1916. From cor. of sec. 14, and frac. secs. 15, 22, & 23, South, on a true line, bet. ^{frac.}secs. 22 and 23, over rolling and broken land, through scattering undergrowth.

20.42 150 ft. below sec. cor.
 To left bank of Colorado river, brs. N. $37\frac{1}{2}^{\circ}$ W. & S. $37\frac{1}{2}^{\circ}$ E.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for meander cor. of frac. secs. 22 and 23, with brass cap, marked
 MC in S. half,
 T 23 N S 22 in NW., and
 R 22 W S 23 in NE. quadrant; and
 1916 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 Land, rolling and broken.
 Soil, rocky loam; 4th rate.
 No timber.
 Undergrowth, greasewood and mesquite.

Jan. 15, 1916.

Jan. 14, 1916. From cor. of sec. 14, & frac. secs. 15, 22 and 23, West, on a true line, bet. frac. secs. 15 and 22, over rolling and broken land, through scattering undergrowth.

6.80 Desc. SW. slope 80 ft. to.
 To left bank of Colorado river, brs. N. $19\frac{3}{4}^{\circ}$ W. & S. $19\frac{3}{4}^{\circ}$ E.
 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground and 18 ins. in a mound of stone, for meander cor. of frac. secs. 15 and 22, with brass cap, marked
 MC in W. half,
 T 23 N S 15 in NE., and
 R 22 W S 22 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.
 Land, rolling and broken.
 Soil, sandy and rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.
 Sky overcast during day and solar observations impossible.

Jan. 14, 1916.

Jan. 15, 1916. From cor. of sec. 14, and frac. secs. 15, 22 & 23, N. $0^{\circ}01'$ W., bet. sec. 14 and frac. sec. 15, over rolling and broken land, through scattering undergrowth.

Chains

- 10.00 Desc. SW. slope 100 ft. to
 20.20 Wash, 5 chs. wide, course W.
 32.10 Wash, 2 chs. wide, course W.
 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 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., 8 ins. in the ground and 16 ins. in a mound of stone, for cor. of secs. 11, 14, and ~~fracl. secs. 10 and 15~~, with brass cap, marked
 T 23 N S 10 in NW.,
 R 22 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 and broken.
 Soil, sandy and rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.
-
- 40.00 East, on a random line, bet. secs. 11 and 14.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect N. and S. line 12 lks. S. of the cor. of secs. 11, 12, 13 and 14.
 Thence I run
 S. $89^{\circ}55'$ W., on a true line, bet. secs. 11 and 14, over rolling and broken land, through scattering undergrowth.
- 40.03 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 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.
- 80.06 The cor. of secs. 11, and 14, and ~~fracl. secs. 10 and 15~~.
 Land, rolling and broken.
 Soil, sandy and stony loam; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.
-
- fracl.
 West, on a true line, bet. secs. 10 and 15, over rolling and broken land, through scattering undergrowth.
- 35.10 To left bank of Colorado river, ~~hrs. N. $7\frac{3}{4}^{\circ}$ W. and S. $7\frac{3}{4}^{\circ}$ E.~~
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for meander cor. of ~~fracl. secs. 10 and 15~~, with brass cap, marked
 MC in W. half,
 T 23 N S 10 in NE., and
 R 22 W S 15 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.

Chains

Land, rolling.
Soil, sandy and rocky; 4th rate.
No timber.
Undergrowth, greasewood and mesquite.

28.80
40.00

From cor. of secs. 11, 14, and frac. secs. 10 and 15,
N. 0° 01' W., bet. sec. 11, and frac. sec. 10.
over rolling and broken land, through scattering undergrowth.
Wash, 50 lks. wide, course NW.
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

80.00

$\frac{1}{4}$ 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. far-
ther in the ground.
Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
stone, on bed rock, for cor. of secs. 2, and 11, and frac.
secs. 3 and 10, with brass cap, marked
T 23 N S 3 in NW.,
R 22 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, rolling and broken.
Soil, stony and sandy loam; 4th rate.
No timber.
Undergrowth, greasewood and cactus.
Sky overcast during day, and solar observations impossible.
Jan. 15, 1916.
G. H. R.

40.00

79.90

H. P.
Jan. 20, 1916.
At 10h 00m a.m., l.m.t., I set off 35° 24' on the lat. arc;
20° 16' S. on the decl. arc; and determine a meridian
with the solar, at the cor. of secs. 2 and 11, and frac.
secs. 3 and 10,

East, on a random line, bet. secs. 2 and 11,
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line 6 lks. S. of the cor. of secs.
1, 2, 11 and 12.
Thence I run
S. 89° 57' W., on a true line, bet. secs. 2 and 11,
over rolling and broken land, through scattering under-
growth.

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 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.

79.90

The cor. of secs. 2 and 11, and frac. secs. 3 and 10.
Land, rolling and broken.
Soil, sandy and rocky; 4th rate.
No timber.
Undergrowth, greasewood and catclaw.
At this cor. I set off 20° 15' S. on the decl. arc. and at
apparent noon observe the sun on the meridian. The re-
sulting lat. is 35° 24'.

Jan. 20, 1916.
H. P.

10

Subdivision of Fractional T. 23 N., R. 22 W.

Chains

G. H. R.

Jan. 15, 1916.

fracl.

West, on a true line, bet. \wedge secs. 3 and 10,
over rolling and broken land, through scattering under-
growth. Desc. SW. slope 170 ft. to

21.11

To left bank of Colorado river, $\text{brs. N. } 2^{\circ} \text{W. } 11 \frac{1}{2} \text{ } \& \text{ S. } 11 \frac{1}{2} \text{ } ^{\circ} \text{E.}$

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in
the ground and 12 ins. in a mound of stone, for meander cor.
of fracl. secs. 3 and 10, with brass cap, marked

MC in W. half,

T 23 N S 3 in NE., and

R 22 W S 10 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 pit or set cor. far-
ther in the ground.

Land, rolling and broken.

Soil, sandy and rocky; 4th rate.

No timber.

Undergrowth, greasewood and cactus.

Sky overcast during day and solar observations impossible.

Jan. 15, 1916.

G. H. R.

H. P.

Jan. 20, 1916. From cor. of secs. 2 and 11, and frac. secs. 3 & 10.

N. $0^{\circ} 01' \text{W.}$, bet. sec. 2, and frac. sec. 3.

40.00

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

80.20

Intersect N. bdy. of Tp. 4 lks. E. of the cor. of secs.

2, 34, and 35 and frac. sec. 3, described in Book "A."

Thence I run

S. $0^{\circ} 03' \text{E.}$, on a true line, bet. sec. 2 and frac. sec. 3.

over rolling and broken land, through scattering under-
growth.

31.10

Enter deep wash, course SW.

33.70

Leave same.

40.20

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 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.

50.30

Enter deep wash, course SW.

53.80

Leave same.

80.20

The cor. of secs. 2, 11, and frac. secs. 3 and 10.

Land, rolling and broken.

Soil, sandy and rocky; 4th rate.

No timber.

Undergrowth, greasewood and catclaw.

Jan. 20, 1916.

H. P.

Jan. 21, 1916. H. P. From cor. of sec. 34, & frac. secs.

3, 4, and 33, described in Book "A,"

in Book "A," I run

fracl.

S. $0^{\circ} 02' \text{E.}$, on a true line, bet. \wedge secs. 3 and 4,

over level land, through dense timber and undergrowth.

10.38

To left bank of Colorado river, $\text{brs. N. } 84 \frac{1}{2} \text{ } ^{\circ} \text{W. } \& \text{ S. } 84 \frac{1}{2} \text{ } ^{\circ} \text{E.}$

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for meander cor. of frac. secs. 3 and 4, with
brass cap, marked

MC in S. half,

T 23 N S 4 in NW., and

R 22 W S 3 in NE. quadrant; and

1916 in S. rim;

from which,

A willow tree, 6 ins. diam., bears S. 56°E. , 10 lks. dist.,
marked T 23 N R 22 W S 3 ME, BT

Subdivision of Fractional T. 23 N., R. 22 W.

Chains

A willow, 10 ins. diam., bears S. $70\frac{1}{2}^{\circ}$ W., 14 lks. dist.,
marked T 23 N R 22 W S. 4 McBT i

Land, level.

Soil, sandy; 1st and 2nd rate.

Timber, cottonwood and willow.

Undergrowth, arrowwood and willow.

Jan. 21, 1916.

H. P.

Meanders of the left Bank of Colorado River, up stream.

G. H. R.

Jan. 20, 1916.

I commence at the meander cor. of fracl secs. 2 and 35,
on S. bdy. of Tp., described in Book "A".

At this cor. I set off $35^{\circ}20'$ on the lat. arc; $20^{\circ}16'$ S.
on the decl. arc; and determine a meridian with the solar.
Thence I run with meanders on W. bdy. of fracl. sec. 35,
over level bottom land, through scattering undergrowth.

N. $0\frac{1}{4}^{\circ}$ W.	9.30	chs.	
North,	23.10	"	
N. $9\frac{1}{2}^{\circ}$ W.	15.20	"	
N. $44\frac{1}{4}^{\circ}$ W.	6.50	"	
N. 15° W.	5.70	"	
N. $26\frac{1}{2}^{\circ}$ W.	12.00	"	
N. $11^{\circ}45'$ W.	11.90	"	to meander cor. of fracl. secs. 26 and 35, hereinbefore described.

Land, river bottom.

Soil, sandy loam; 2nd rate.

No timber.

Undergrowth, mesquite, arrowweed and catclaw.

Thence on W. bdy. fracl. sec. 26,
over level land, through scattering undergrowth.

N. 9° W.	9.20	chs.	
N. $5\frac{1}{4}^{\circ}$ W.	17.40	"	
N. 9° W.	11.80	"	
N. $37\frac{1}{4}^{\circ}$ E.	5.10	"	
N. 20° E.	13.40	"	
N. 37° E.	4.30	"	
N. $4\frac{1}{2}^{\circ}$ W.	10.80	"	At 4.30 chs. leave bottom land and enter rolling broken land.
N. $26^{\circ}45'$ W.	7.90	"	
N. $8\frac{1}{2}^{\circ}$ W.	3.96	"	To meander cor. of fracl. secs. 23 and 26.

Land, river bottom and rolling and broken land.

Soil, sandy and rocky; 2nd and 3rd rate.

No timber.

Undergrowth, mesquite, arrowweed and catclaw.

Thence on W. bdy. of fracl. sec. 23,
over rolling broken land, through scattering undergrowth.

N. $52\frac{1}{2}^{\circ}$ W.	5.00	chs.	
N. 45° W.	13.20	"	
N. 30° W.	6.20	"	
N. $22\frac{1}{4}^{\circ}$ W.	24.20	"	
N. 17° W.	10.60	"	
N. $11^{\circ}45'$ E.	5.50	"	
N. $37\frac{1}{2}^{\circ}$ W.	5.20	"	to meander cor. of fracl. secs. 22 and 23.

Land, rolling and broken.

Soil, rocky and sandy; 4th rate.

No timber.

Undergrowth, cactus, greasewood and arrowweed.

Jan. 20, 1916.

Jan. 21, 1916.

Thence on W. bdy. of fracl. sec. 22,
over rolling and broken land, through scattering undergrowth.

Meanders, T. 23 N., R. 22 W.

Meanders of left bank of Colorado River, up stream.

- N.37 $\frac{1}{2}$ °W. 3.10 chs.
- N.7°45'W. 7.20 "
- N.19°45'W. 11.52 " to meander cor. of fracl. secs. 15 and 22.

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

Thence on W. bdy. of fracl. sec. 15, over rolling and broken land, through scattering undergrowth.

- N.19°45'W. .60 chs.
- N.22 $\frac{1}{2}$ °W. 11.20 "
- N.18°45'W. 30.10 "
- N.32 $\frac{1}{2}$ °W. 16.40 "
- N.17 $\frac{1}{2}$ °W. 10.30 "
- N.7°45'W. 17.20 " to meander cor. of fracl. secs. 10 and 15.

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

Thence on W. bdy. of fracl. sec. 10, over broken and rolling land, through scattering undergrowth.

- N.7°45'W. 5.10 chs.
- N.11 $\frac{1}{2}$ °W. 9.90 "
- N.12 $\frac{1}{2}$ °E. 24.50 "
- N.8 $\frac{1}{2}$ °E. 15.50 "
- N.63°E. 9.70 "
- N.11°45'E. 11.70 "
- N.11 $\frac{1}{2}$ °W. 10.31 " to meander cor. of fracl. secs. 3 and 10.

Land, rolling and broken.
 Soil, gravelly and rocky loam; 3rd and 4th rate.
 No timber.
 Undergrowth, cottonwood, willow and arrowweed.

Jan. 21, 1916.
G. H. R.

H. P.

Jan. 21, 1916.

Thence on W. bdy. of fracl. sec. 3, over level land, along SW. edge of dense thicket.

- N.2°W. 49.18 chs.
- N.62 $\frac{1}{4}$ °W. 64.00 "
- N.48°45'W. 1.40 " to meander cor. of fracl. secs. 3 and 4.

Land, level.
 Soil, sandy; 2nd and 3rd rate.
 No timber.
 Undergrowth, arrowweed, willow and cottonwood.

Jan. 21, 1916.

Feb. 23, 1916.

At 9h 30m a.m., l.m.t., I set off 35°25' on the lat. arc; 10°6 $\frac{1}{2}$ ' S. on the decl. arc; and determine a meridian with the solar at the meander cor. of fracl. secs. 3 and 4.

Meanders of left bank of Colorado River, up stream.
Thence on W. bdy. of fracl. sec. 4,
over level land, along SW. edge of dense thicket.

N. $84\frac{1}{2}^{\circ}$ W. 2.80 chs.

N. 71° W. 6.40 "

S. $85\frac{1}{2}^{\circ}$ W. 3.20 "

N. $29^{\circ}45'$ W. 8.70 "

N. 6° W. .76 "

to meander cor. of fracl. secs. 4 and
33, on N. bdy. of Tp. described in
"Book "A."

Land, level.

Soil, sandy; 3rd and 4th rate.

No timber.

Undergrowth, arrowweed, willow and cottonwood.

Feb. 23, 1916.

H. P.

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

GENERAL DESCRIPTION.

The land embraced in this fractional township is a gently sloping plateau, cut by deep washes, some of which have perpendicular banks from 20 to 100 ft. high, and all of which drain into the Colorado River, which forms the west boundary of the township.

The soil is a gravelly and rocky loam, 4th rate.

Vegetation consists of desert growth, except in a few localities on the Colorado River, on which are found willow and cottonwood.

The river contains all the water in the township.

There are no mineral indications, and no settlers.

U. S. Surveyor.

U. S. Landman.

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BOOK 3447

FOR CERTIFICATES OF UNITED STATES SURVEYOR. AND UNITED STATES TRANSITMAN

See Book "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, Ariz., March 9, 1918.

The foregoing field notes of the survey of the _____ Subdivision Lines, and Meanders of Left Bank of Colorado River, Within TOWNSHIP 23 NORTH, RANGE 22 WEST,

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

executed by Guy H. Richardson, U. S. Surveyor, and Hugo Price, U. S. Transitman, under 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.

[Signature]

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.