

3017

G.L.O. letter "E"
Mar. 29, 1919.

141

Book "B."

4-679

(Subdivisions)

BOOK 3017

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONAL LINES

of

TOWNSHIP 10 NORTH, RANGE 17 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Alexander T. Harris and John Gonin,

U. S. Transitmen,

~~In the capacity of U. S. Surveyor~~, under instructions dated February 13, 1915,

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

Group No. 48, which were approved by the Commissioner of the General Land

Office, February 26, 1915.

Survey commenced November 4, 1915.

Survey completed November 19, 1915.

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3017

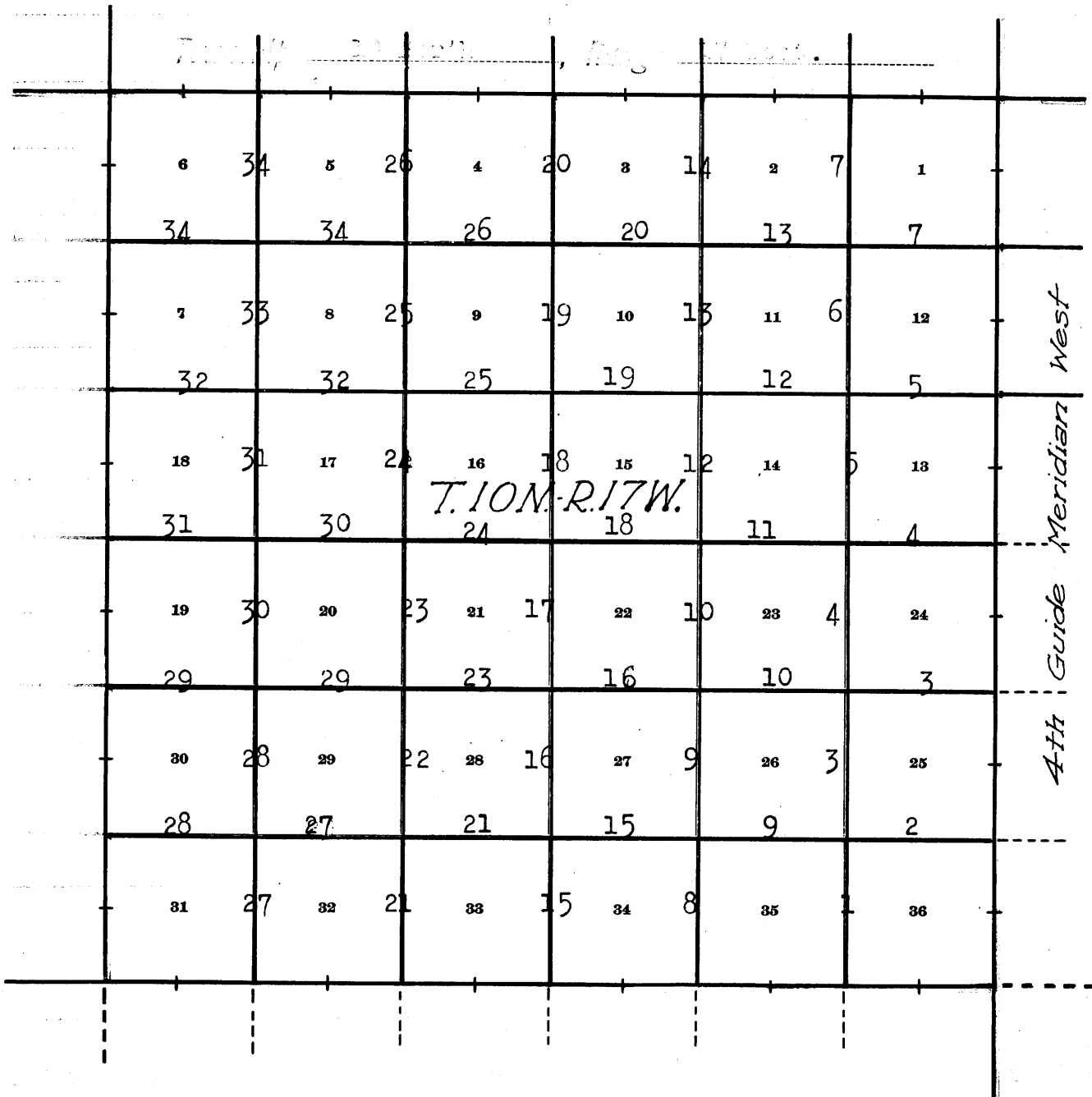
Book "B"

Group 48 - - Arizona.

Township 10 North, Range 17 West.

BOOK 3017

INDEX DIAGRAM.



- Surveyed under this group. Notes in this book.
- Surveyed under this group. Notes in this book.
- Surveyed under this group. Notes in Book "C."
- Surveyed under this group. Notes in Book "H."
- Surveyed under this group. Notes in Book "I."
- Unsurveyed.

Subdivision of T. 10 N., R. 17 W. 1.

Chains. Surveys hereinafter described were executed by Alexander T. Harris and John Conlin, U.S. Transitmen, on dates shown on diagram on page 36 heretofore, using Young & Sons' light mountain transits Nos. 8611 and 8492, respectively, both equipped with Smith solar attachments. Instrument No. 8611 described with certificate of approval & tests in Book "A" Instrument No. 8492 was approved Oct. 15, 1915, by the Assistant Supervisor of Surveys for Arizona and California, conditional upon satisfactory field tests.

The horizontal limb of instrument No. 8492 is provided with two double verniers, placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. John Conlin, U.S. Transitman, examines the adjustments of transit No. 8492, and corrects all errors; then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, proceeds as follows:-

Nov. 4, 1915.

At our camp, in sec. 13, T. 10 N., R. 17 W., lat. $34^{\circ} 12\frac{1}{2}'$ N., long. $113^{\circ} 59\frac{1}{2}'$ W., at 4 hrs. 36 m., a.m., l.m.t., by my watch, which is set to correct local mean time, I observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a hub, firmly set in the ground, 5 chs. N. of my station.

At 7 hrs. 0 m., a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ} 22\frac{1}{2}'$ to the east, and mark a point in the line thus determined on a hub, firmly set in the ground, 5 chs. N. of my station.

At 8 hrs. 0 m., a.m., l.m.t., I set off $34^{\circ} 12\frac{1}{2}'$ N. on the lat. arc; $15^{\circ} 8'$ S. on the decl. arc; and determine a meridian with the solar; the line thus determined departs less than 1' from the meridian determined by observations on Polaris at elongation.

At apparent noon, I set off $15^{\circ} 12\frac{1}{2}'$ S. on the decl. arc; and observe the sun on the meridian; the resulting lat. is $34^{\circ} 12\frac{1}{2}'$ N.

At 4 hrs. 0 m., p.m., l.m.t., I set off $34^{\circ} 12\frac{1}{2}'$ N. on the lat. arc; $15^{\circ} 14'$ S. on the decl. arc; and determine a meridian with the solar; the line thus determined departs less than 1' from the meridian determined by observations on Polaris at elongation.

The solar apparatus, by a.m. and p.m. observations, defines positions for meridians which depart less than 1' from the true meridian determined by observations on Polaris at elongation; therefore, since this instrument fulfills the conditions of my instructions, I conclude that its adjustments are satisfactory.

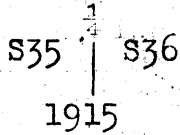
The magnetic bearing of the true meridian, at 8 hrs. 30 m., a.m., is N. 15° W.; the mag. decl. is therefore N. 15° E.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., described in Book "A."
 N. $0^{\circ} 1'$ W., bet. secs. 35 and 36.
 Over mountainous land, through scattering undergrowth.
 Asc. 175 ft. to
 Ridge, brs. E. and W. Desc. 235 ft. to
 Center of wash, 1 ch. wide, 2 ft. deep, course W. Asc.
 75 ft. to
 Desc. 45 ft. to
 Asc. 95 ft. to
 Ridge, brs. E. and W. Desc. 365 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 18 ins. high, for $\frac{1}{4}$ sec. cor., marked on brass cap

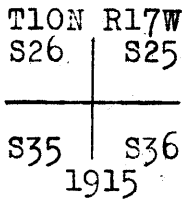
3.63
19.80
23.15
28.10
31.25
40.00

2. Subdivision of T. 10 N., R. 17 W.

Chains.



and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
 49.20 Wash, 50 lks. wide, 10 ft. deep, course W. Asc. 335 ft. to
 66.66 Spur, slopes W. Desc. 120 ft. to
 71.35 Asc. 45 ft. to
 75.05 Desc. 110 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 15 ins. high, for cor. of secs. 25, 26, 35 and 36, marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
 Land, mountainous; drains W.
 Soil, rocky; 4th rate; granite formation.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo, sagebrush and cacti.

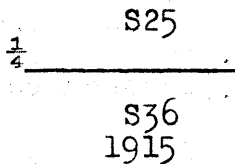
Nov. 5, 1915: At 9 hrs. 15 m., a.m., l.m.v., I set off 34° 10' N. on the lat. arc; 152° 27' E. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 25, 26, 35 and 36.

Thence

40.00 East on a random line, bet. secs. 25 and 36.
 Set temp. ¼ sec. cor.
 80.00 Intersect Fourth Guide Meridian West, at the cor. of secs. 25, 30, 31 and 36, which is an iron post, described in Book "A."

Thence

West on a true line, bet. secs. 25 and 36.
 Over mountainous land, through scattering undergrowth.
 Desc. slightly to
 0.50 Ravine, course NE. Asc. 175 ft. to
 6.12 Spur, slopes NE. Desc. slightly to
 12.80 Asc. 140 ft. to
 20.11 Spur, slopes NE. Desc. 170 ft. to
 24.90 Asc. 285 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., marked on brass cap



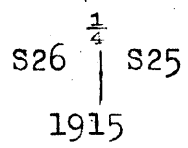
and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 43.34 Long spur, slopes NW. Desc. 160 ft. to
 54.90 Asc. 60 ft. to
 58.99 Spur, slopes NW. Desc. 330 ft. to
 64.72 Gulch, course NW. Asc. 50 ft. to
 68.50 Desc. 30 ft. to
 74.20 Asc. 75 ft. to
 80.00 The cor. of secs. 25, 26, 35 and 36.
 Land, mountainous.
 Soil, rocky; 4th rate.

Subdivision of T. 10 N., R. 17 W. 3.

Chains.

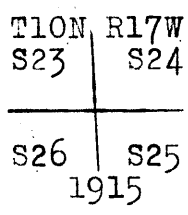
No timber.
Undergrowth, greasewood, palo verde and cacti.

5.72 N.0° 1' W., bet. secs. 25 and 26.
 17.85 Over mountainous land, through scattering undergrowth.
 30.40 Desc. 155 ft. to
 38.10 Gulch, course NW. Asc. 300 ft. to
 40.00 Spur, slopes NW. Desc. 290 ft. to
 Gulch, course W. Asc. 390 ft. to
 Spur, slopes SW. Desc. 450 ft.
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

67.75 Gulch, course NE. Asc. 15 ft. to
 68.75 Desc. 180 ft. to
 78.00 Gulch, course NE. Asc. slightly to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
 stone, for cor. of secs. 23, 24, 25 and 26, marked on
 brass cap



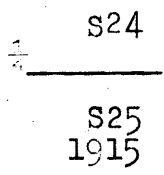
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
W. of cor.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

~~Nov. 5, 1882: At this point, I set an iron post on the
decl. arc; and at apparent noon, I observe the sun on
the meridian; the resulting lat. is 34° 11' N.~~

40.00 East on a random line, bet. secs. 24 and 25.
 80.08 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect Fourth Guide Meridian West, 2 lks. S. of the cor.
 of secs. 19, 24, 25 and 30, which is an iron post,
 described in Book "A."

Thence
 29.00 S.89° 59' W., on a true line, bet. secs. 24 and 25.
 34.50 Over mountainous land, through scattering undergrowth.
 38.10 Desc. slightly to
 40.04 Asc. 40 ft. to
 Spur, slopes N. Desc. 85 ft. to
 Gulch, course N.30° W. Asc. 375 ft.
 Set an iron post, 3 ft long, 1 in. diam., 20 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
 on brass cap



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

70.73 Spur, slopes NE. Desc. 200 ft. to

4. Subdivision of T. 10 N. R. 17 W.

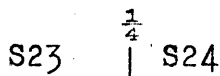
Chains.

76.90
80.08

Gulch, course NE. Asc. 80 ft. to
The cor. of secs. 23, 24, 25 and 26.
Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

5.75
18.25
27.35
31.25
40.00

N.0° 1' W., bet. secs. 23 and 24.
Over mountainous land, through scattering undergrowth.
Asc. 85 ft. to
Spur, slopes NE. Desc. 205 ft. to
Gulch, course NE. Asc. 150 ft. to
Spur, slopes NE. Desc. 60 ft. to
Asc. 35 ft. to
Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

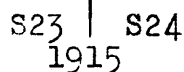
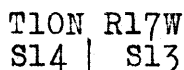


1915

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

49.65
52.90
57.90
61.80
77.90
80.00

Desc. 170 ft. to
Asc. 30 ft. to
Short spur, slopes NE. Desc. slightly to
Asc. 50 ft. to
Short spur, slopes NE. Desc. 270 ft. to
Gulch, course NE. Asc. to
Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
stone, for cor. of secs. 13, 14, 23 and 24, marked on
brass cap



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

Land, mountainous; drains N. and NW.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and ocotillo.

~~Nov. 6, 1915: At this cor., I set off 15° 40' S. on the
decl. arc; and at apparent noon, I observe the sun on
the meridian; the resulting lat. is 34° 12' N.~~

~~Nov. 6, 1915: At 2 hrs. 0 m., p.m., l.m.t., I set off
34° 12' N. on the lat. arc, 15° 50' S. on the decl.
arc; and determine a meridian with the solar at the cor.
of secs. 13, 14, 23 and 24.~~

40.00
80.11

N.89° 59' E., on a random line, bet. secs. 13 and 24.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect Fourth Guide Meridian West, 5 lks. S. of the cor.
of secs. 13, 18, 19 and 24, which is an iron post,
described in Book "A"

Thence
S.89° 57' W., on a true line, bet. secs. 13 and 24.
Over rolling and mountainous land, through scattering
undergrowth.

8.00

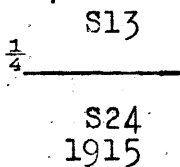
Wash, course NW.

Subdivision of T. 10 N. R. 17 W.

5.

Chains.

- 21.61 Dim road, brs. NW. and SE.
- 22.24 Center of Mineral Wash, 1.50 chs. wide, course NW.
- 25.11 Dim road, brs. N. and S.
- 30.51 Dim road, brs. N. and S.
- 31.31 Gulch, course N.
- 40.05½ Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

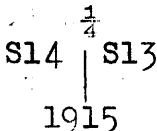
- 66.27 Gulch, course N. Asc. 20 ft. to
- 72.31 Spur, slopes N. Desc. 30 ft. to
- 79.73 Gulch, course NW. Asc. to
- 80.11 The cor. of secs. 13, 14, 23 and 24. Land, rolling and mountainous. Soil, rocky and sandy; 4th and 3rd rate. No timber. Undergrowth, greasewood, palo verde and cacti.

N.0° 1' W., bet. secs. 13 and 14.

Over rolling land, through scattering undergrowth.

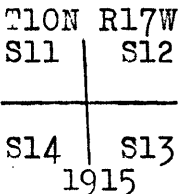
Desc. 25 ft. to

- 1.94 Gulch, course N. Comes from SE. Desc. 110 ft., in gulch.
- 4.50 Leave gulch, course NE. Continue descent.
- 26.05 Same gulch, course N.30° W.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, in a mound of stone, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

- 79:14 Center of Mineral Wash, 2 chs. wide, course N.70° W. Road in wash, brs. N.70° W. and S.70° E.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 11, 12, 13 and 14, marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling and broken. Soil, sandy and rocky; 3rd and 4th rate. No timber. Undergrowth, greasewood, palo verde and cacti.

Nov. 8, 1915: At hrs. 5 a.m., l.m.t., set off. 34° 13' E. on the lat. arc; 10° 20½' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14.

- 40.00 N.89° 57' E., on a random line, bet. secs. 12 and 13. Set temp. ¼ sec. cor.

6. Subdivision of T.10 N., R. 17 W.

Chains.

80.13 Intersect Fourth Guide Meridian West, 7 lks. N. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, described in Book "A."
 Thence
 West on a true line, bet. secs. 12 and 13.
 Over mountainous and broken land, through scattering undergrowth.
 Desc. 35 ft. to
 6.55 Gulch, course NW. Asc. 60 ft. to
 20.35 Spur, slopes NW. Desc. 60 ft. to
 25.96 Small ravine, course NW. Asc. 75 ft. to
 36.55 Short spur, slopes NW. Desc. 100 ft.
 40.06 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S12

$\frac{1}{4}$

S13

1915

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

41.45 Saddle, opens N. and S. Asc. 120 ft. to
 47.82 Top of sharp, rocky point, slopes E. and W. Desc. along point, 190 ft. to
 78.10 Enter Mineral Wash, course N.70° W.
 80.13 The cor. of secs. 11, 12, 13 and 14.
 Land, broken and mountainous.
 Soil, sandy and rocky; 3rd and 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

N.0° 1' W., bet. secs. 11 and 12.
 Over broken land, through scattering undergrowth.
 Asc. 105 ft. to

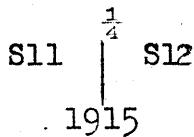
4.73 Right bank of Mineral Wash, brs. N.89° W. and SE. Desc. 50 ft. to

14.16 Gulch, course W. Asc. 80 ft. to

23.55 Desc. 35 ft. to

28.55 Asc. 160 ft.

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



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

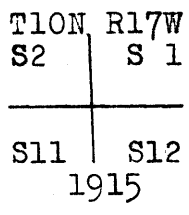
~~At this cor., I set off 16° 25' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 13' N.~~

42.29 East end of rocky hill, brs. E. and W. Desc. 95 ft. to
 48.00 Asc. 25 ft. to
 51.00 Desc. 125 ft. to
 60.81 Gulch, course W. Asc. 185 ft. to
 64.15 Short spur, slopes N.70° W. Desc. 255 ft.
 67.14 Prospect tunnel on line at this point.
 69.52 Gulch, course W. Asc. 150 ft. to
 76.70 Spur, slopes W. Desc. 100 ft. to
 80.00 Small ravine, course W.
 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 1, 2, 11 and 12, marked on brass cap

Subdivision of T. 10 N., R. 117 W.

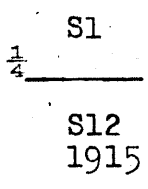
7.

Chains.



and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
Land, broken.
Soil, sandy and rocky; 3rd and 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

40.00 East on a random line, bet. secs. 1 and 12.
Set temp. ¼ sec. cor.
80.14 Intersect Fourth Guide Meridian West, 5 lks. N. of the cor.
of secs. 1, 6, 7 and 12, which is an iron post, described
in Book "A."
Thence
N.89° 58' W., on a true line, bet. secs. 1 and 12.
Over broken land, through scattering undergrowth.
Asc. 55 ft. to
3.88 Short spur, slopes NE. Desc. 75 ft. to
14.36 Gulch, course NE. Asc. 45 ft. to
19.74 Desc. slightly.
24.52 Prospect hole brs. N. 20 lks. dist.
25.52 Head of gulch, course NE. Asc. 65 ft.
40.07 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the
ground, in a mound of stone, for ¼ sec. cor., marked on
brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,
N. of cor.
40.44 Spur, brs. N.20° E. and S.20° E. Desc. to
46.00 Head of small ravine, course NW. Asc. 55 ft. to
50.44 Spur, from S., slopes NW. Desc. 105 ft. to
56.94 Asc. 25 ft. to
61.94 Desc. 65 ft. to
66.34 Asc. 15 ft. to
73.24 Short spur, slopes NW. Desc. 65 ft. to
80.14 The cor. of secs. 1, 2, 11 and 12.
Land, broken
Soil, sandy and rocky; 3rd and 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

Nov. 1, 1893: 10 30 a.m., 2 m., a.m., 1.m.t., I set off
34° 14' N. on the lat. arc; 102 37½' S. on the decl. arc;
and determine a meridian with the solar at the cor. of
secs. 1, 2, 11 and 12.

Thence
N.0° 1' W., on a random line, bet. secs. 1 and 2.
40.00 Set temp. ¼ sec. cor.
80.07 Intersect N. bdy. of Tp., 16 lks. W. of the cor. of secs.
1, 2, 35 and 36, which is an iron post, established as
described in Book "A".
Thence
S.0° 6' W., on a true line, bet. secs. 1 and 2.
Over broken land, through scattering undergrowth.

8.

Subdivision of T.10 N., R.17 W.

Chains.

0.28 Asc. 40 ft. to
Top of rocky point, from SE. Breaks abruptly to NW.
Desc. 245 ft. to

7.58 Asc. 50 ft. to

12.53 Desc. 80 ft. to

14.79 Gulch, course NW. Asc. 90 ft. to

22.88 Desc. 55 ft. to

32.50 Gulch, course NW. Asc. 100 ft.

40.07 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
brass cap

$\frac{1}{4}$
S2 | S1
1915

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

49.47 Short spur, slopes E. Prospect holes, br. E. 20 and 40
lks. dist. Desc. 45 ft. to

51.15 Head of gulch, course NE. Asc. 95 ft. to

56.48 Short spur, slopes SW. Desc. 185 ft. to

62.60 Gulch, course W. Asc. 110 ft. to

70.38 Short spur, slopes SW. Desc. 135 ft. to

75.13 Gulch, course W. Asc. 90 ft. to

77.83 Short spur, slopes W. Desc. 45 ft. to

80.07 The cor. of secs. 1, 2, 11 and 12.
Land, broken.
Soil, sandy and rocky; 3rd and 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of
the Tp., which is an iron post, described in Book "A",

N.0° 1' W., bet. secs. 34 and 35.
Over mountainous land, through scattering undergrowth.
Desc. 100 ft. to

4.76 Center of gulch, 1 ch. wide, 10 ft. deep, course NW. Asc.
185 ft. to

18.39 Ridge, brs. NW. and SE. Desc. 180 ft. to

30.51 Center of gulch, 1 ch. wide, 5 ft. deep, course W. Asc.
360 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the
ground, in a mound of stone, 3 ft. base, 2 ft. high,
for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S34 | S35
1915

and raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high,
W. of cor.

46.23 Ridge, brs. E. and W. Desc. N. slope, 115 ft. to

50.95 Asc. slightly to

57.95 Desc. 280 ft. to

69.64 Center of gulch, 1 ch. wide, 5 ft. deep, course NW. Asc.
110 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 15 ins. in the
ground, in a mound of stone, 3 ft. base, 10 ins. high,
for cor. of secs. 26, 27, 34 and 35, marked on brass
cap

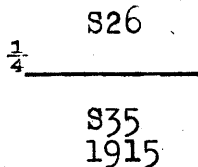
T10N R17W
S27 | S26
—+—
S34 | S35
1915

Chains.

and raise a mound of stone, 3 ft. base, 2½ ft. high,
 W. of cor.
 Land, mountainous.
 Soil, rocky; 4th rate.; granite formation.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

Nov. 5, 1915: At 8 hrs. 10 m., a.m.l.m.t., I set off
 34° 10½' E. on the lat. arc; 16° 27' S. on the decl.
 arc; and determine a meridian with the solar at the
 cor. of secs. 26, 27, 34 and 35.

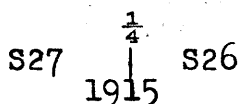
40.00 East on a random line, bet. secs. 26 and 35.
 79.96 Set temp. ¼ sec. cor.
 Intersect N. and S. line, 5 lks. N. of the cor. of secs.
 25, 26, 35 and 36.
 Thence
 N. 89° 58' W., on a true line, bet. secs. 26 and 35.
 Over mountainous land, through scattering undergrowth.
 Desc. 140 ft. to
 6.65 Gulch, course NW. Asc. 30 ft. to
 11.60 Desc. 235 ft. to
 25.59 Center of gulch, 1 ch. wide, 10 ft. deep, course NW. Asc.
 225 ft.
 39.98 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, in a mound of stone, 3 ft. base, 20 ins. high,
 for ¼ sec. cor., marked on brass cap



44.20 and raise a mound of stone, 3 ft. base, 2½ ft. high,
 N. of cor.
 54.86 Ridge, brs. N. and S. Desc. 315 ft. to
 68.15 Wash, 50 lks. wide, 5 ft. deep, course N. Asc. 495 ft. to
 79.96 Ridge, brs. N. and S. Desc. 305 ft. to
 The cor. of secs. 26, 27, 34 and 35.
 Land, mountainous.
 Soil, rocky; 4th rate; granite formation.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

Nov. 9, 1915: At 9 hrs. 6 m., a.m., l.m.t., I set off
 34° 10½' E. on the lat. arc; 16° 39½' S. on the decl.
 arc; and determine a meridian with the solar at the
 cor. of secs. 26, 27, 34 and 35.

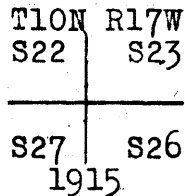
8.49 Thence
 12.98 N. 0° 1' W., bet. secs. 26 and 27.
 Over mountainous land, through scattering undergrowth.
 Asc. 165 ft. to
 22.52 Ridge, brs. E. and W. Desc. 135 ft. to
 32.20 Center of gulch, 1 ch. wide, 5 ft. deep, course W. Asc.
 155 ft. to
 39.00 Ridge, brs. E. and W. Desc. N. slope, 250 ft. to
 40.00 Center of gulch, 1 ch. wide, 1 ft. deep, course W. Asc.
 70 ft. to
 Ridge, brs. E. and W. Desc. 360 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the
 ground, in a mound of stone, 3 ft. base, 20 ins. high,
 for ¼ sec. cor., marked on brass cap



10. Subdivision of T. 10 N., R. 17 W.

Chains.

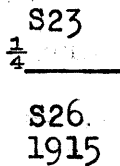
54.14 and raise a mound of stone, 3 ft. base, 2½ ft. high,
W. of cor.
74.13 Enter wash, course N. Comes from SE.
80.00 Leave wash, course NW. Comes from S.
Set an iron post, 3 ft. long, 2 ins. diam., 15 ins. in the
ground, in a mound of stone, 3 ft. base, 10 ins. high,
for cor. of secs. 22, 23, 26 and 27, marked on brass
cap



and raise a mound of stone, 3 ft. base, 2½ ft. high,
W. of cor.
Land, rolling and mountainous.
Soil, rocky; 4th rate; granite formation.
No timber.
Undergrowth, greasewood, palo verde and sagebrush.

~~Nov. 30, 1915. At this cor., I set off a line 42' S. on the
decl. arc, and at apparent noon, I observed the sun on
the meridian; the resulting lat. is 34° 11' 13".~~

40.00 S. 89° 58' E., on a random line, bet. secs. 23 and 26.
Set temp. ¼ sec. cor.
79.92 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
23, 24, 25 and 26.
Thence
N. 89° 57' W., on a true line, bet. secs. 23 and 26.
Over mountainous land, through scattering undergrowth.
Asc. 450 ft. to
19.05 Ridge, brs. N. and S. Desc. 200 ft. to
34.80 Center of gulch, 1 ch. wide, 5 ft. deep, course N. Asc.
130 ft.
39.96 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground, in a mound of stone, 3 ft. base, 15 ins. high,
for ¼ sec. cor., marked on brass cap



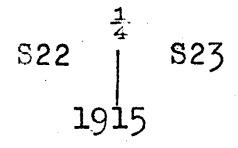
41.22 and raise a mound of stone, 3 ft. base, 2½ ft. high,
N. of cor.
51.52 Ridge, brs. N. and S. Desc. 215 ft. to
52.52 Asc. 20 ft. to
61.39 Desc. 220 ft. to
Center of gulch, 1 ch. wide, 10 ft. deep, course N. Asc.
90 ft. to
67.61 Ridge, brs. N. and S. Desc. 100 ft. to
79.92 The cor. of secs. 22, 23, 26 and 27.
Land, mountainous.
Soil, rocky; 4th rate; granite formation.
No timber.
Undergrowth, greasewood, palo verde, and cacti.

40.00 N. 0° 1' W., bet. secs. 22 and 23.
Over broken land, through scattering undergrowth.
Desc. gentle N. slope.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap

Subdivision of T. 10 N., R. 17 W.

11.

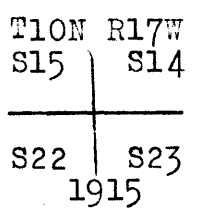
Chains.



and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

45.50
74.99
76.57
80.00

Center of wash, 1 ch. wide, 10 ft. deep, course NW.
Leave rolling land, brs. E. and W. Asc. 100 ft. to
Ridge, brs. E. and W. Desc. 50 ft. to
Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the
ground, in a mound of stone, 2 ft. base, 20 ins. high,
for cor. of secs. 14, 15, 22 and 23, marked on brass
cap



and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

Land, rolling and broken.
Soil, gravelly and rocky; 4th rate; malpais formation.
No timber.
Undergrowth, greasewood, palo verde, ocotillo and cacti.

No. 10, 1915: ... 1.2.3.4. I set off
34° 12' E. on the lat. arc, 108° 50' E. on the decl.
arc; and determine a meridian with the angle at the
cor. of secs. 14, 15, 22 and 23.

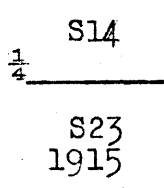
40.00
79.89

S. 89° 57' E., on a random line, bet. secs. 14 and 23
Set temp. 1/4 sec. cor.
Intersect N. and S. line, 2 lks. S. of the cor. of secs.
13, 14, 23 and 24.

Thence
N. 89° 58' W., on a true line, bet. secs. 14 and 23.
Over broken and mountainous land, through scattering
undergrowth.

8.94
23.51
39.94 1/2

Desc. 45 ft. to
Gulch, course N. Asc. 265 ft. to
Long spur, slopes NNW. Desc. 310 ft. to
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground, in a mound of stone, for 1/2 sec. cor., marked on
brass cap



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

43.00
45.82
50.45
56.35
58.30
60.25
64.70
72.87
78.16
79.89

Asc. 50 ft. to
Desc. 85 ft. to
Gulch, course N. 30° W. Asc. 195 ft. to
Short spur, slopes NW. Desc. 100 ft. to
Asc. 35 ft. to
Desc. 35 ft. to
Asc. 20 ft. to
Desc. 120 ft. to
Gulch, course N. Asc. 65 ft. to
Short spur, slopes N. Desc. 25 ft. to
The cor. of secs. 14, 15, 22 and 23.
Land, broken and mountainous.
Soil, sandy and rocky; 4th rate.
No timber.

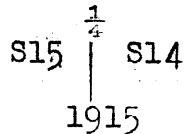
12.

Subdivision of T. 10 N., R. 17 W.

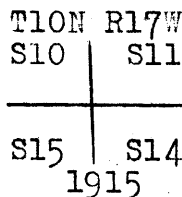
Chains.

Undergrowth, greasewood, palo verde and cacti.

N.0° 1' W., bet. secs. 14 and 15.
 Over broken land, through scattering undergrowth.
 Asc. 25 ft. to
 1.50 Desc. 140 ft. to
 33.50 Road, brs. NE. and SW. to Parker.
 35.00 Branch road, brs. E. and W.
 36.90 Wash, course NE. Asc. 150 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

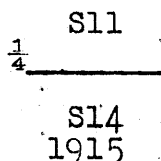


and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 48.10 End of spur from W.; breaks abruptly to E. Desc. 110 ft. to
 59.94 Gulch, course SE. Asc. 165 ft. to
 77.43 Short spur, slopes S.60° E. Desc. 30 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 10, 11, 14 and 15, marked on brass cap



and raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, broken.
 Soil, sandy and rocky; 4th rate
 No timber.
 Undergrowth, greasewood, palo verde and cacti.
~~Nov. 15, 1915: At this cor., I set off 16° 58' E. on the decl. arc, and at apparent noon, I observed the sun on the meridian; the resulting lat. is 34° 13' N.~~

40.00 S.89° 58' E., on a random line, bet. secs. 11 and 14.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.85 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 11, 12, 13 and 14.
 Thence
 S.89° 58' W., on a true line, bet. secs. 11 and 14.
 Over rolling and broken land, through scattering undergrowth.
 Across Mineral Wash, course N.80° W.
 4.45 Leave wash, course N.80° W. Road in wash, brs. N.80° W. and S.80° E. Asc. to
 24.15 Desc. 45 ft. to
 27.15 Gulch, course NW. Asc. 340 ft.
 30.23 Road, brs. N.30° W. and S.30° E. to Parker.
 39.92 $\frac{1}{2}$ Set an iron post 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



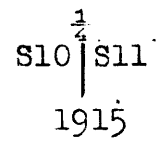
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,

Subdivision of T. 10 N., R. 17 W.

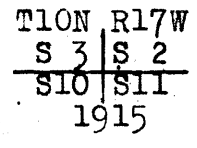
Chains.

N. of cor.
 Continue ascent to
 79.85 The cor. of secs. 10, 11, 14 and 15.
 Land, rolling and broken.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

N.0° 1' W., bet. secs. 10 and 11.
 Over broken and mountainous land, through scattering under-
 growth.
 Desc. 45 ft.
 5.02 Gulch, course NE. Asc. 60 ft. to
 9.70 Desc. 40 ft. to
 17.40 Asc. 95 ft. to
 25.20 Desc. 235 ft.
 26.58 Perpendicular bluff, brs. NE. and SW. Desc.
 29.77 Foot of desc.; wash, course NE. Asc. 255 ft., over per-
 pendicular bluff, to
 34.81 Spur, breaks abruptly to the E. Thence along E. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of cor.
 From this cor., cor. No. 2 "Cavern and cor. No 1 "Conti-
 nental No. 11" Mining Claims, Bill Williams District,
 which is a lava stone, 10 X 14 X 16 ins., in a mound of
 stone, with mound of stone, N., brs. N.19° 47' E., 3.29
 chs. dist.
 Desc. 105 ft. to
 45.47 Gulch, course N.50° E. Asc. 80 ft. to
 51.02 Spur, slopes E. Desc. 125 ft. to
 70.40 Asc. 50 ft. to
 75.00 Spur, slopes NE. Desc. 95 ft. to
 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, marked on
 brass cap



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of cor.
 Land, broken and mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.
 From this cor., cor. No. 2 "Queen of Copper", cor. No. 4
 "Norma", which is a wooden post, 4 X 4 ins. square, in
 a mound of stone, marked N-4-2785 on S. side and 00-2-
 2785 on N. side, brs. N.3° 46' W., 12.28 chs. dist.
 U. S. L. M. No. 2785, Bill Williams District, which is a
 granite rock, 4 X 14 X 18 ins. above ground, with cross
 (X) on top, and mound of stone, 6 ft. base, 6 ft. high,
 8 ft. NW. of cor., brs. S.78° 42' W., 10.26 chs. dist.

N.89° 58' E., on a random line, bet. secs. 2 and 11.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.

14. Subdivision of T. 10 N., R. 17 W.

Chains.

79.90 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 1, 2, 11 and 12.

Thence

N.89° 58' W., on a true line, bet. secs. 2 and 11.

Over mountainous land, through scattering undergrowth.

Asc. 80 ft. to

13.28 Spur, brs. NW. Desc. 205 ft. to

18.41 Gulch, course N. Asc. 330 ft. to

36.35 Top of high, rocky point, breaks to NW. Desc. 425 ft.

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

S 2

$\frac{1}{4}$

S11
1915

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

48.56 Prospect hole, brs. N. 50 lks. dist.

55.23 Mineral Wash, course N.10° W. Road in wash, brs. N.10° W. to Bill Williams River and S.10° E. Asc. 40 ft. to

68.48 Top of short spur, slopes N. Desc. 55 ft. to

70.97 Gulch, course N. Asc. 65 ft.

76.67 Dim road, brs. N.10° W. and S.10° E.

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

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

if

N.0° 1' W., on a random line, bet. secs. 2 and 3.

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

80.12 Intersect N. bdy. of Tp., 5 lks. E. of the cor. of secs. 2, 3, 34 and 35, which is an iron post, described in Book "A".

Thence

S.0° 3' E., on a true line; bet. secs. 2 and 3.

Over mountainous land, through scattering undergrowth.

Desc. 50 ft. to

13.00 Asc. 45 ft. to

17.15 Spur, slopes NE. Desc. 60 ft. to

23.50 Gulch, course E. Asc. 385 ft.

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

S 3 $\frac{1}{4}$ S 2

1915

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

49.35 Short spur, slopes NE. From this point, house brs. S.80° E. Desc. 50 ft. to

54.20 Asc. 55 ft. to

58.26 Short spur, slopes NE. From this point, house brs. N.58° E. Desc. 240 ft. to

70.95 Gulch, course NE. Asc. 115 ft.

71.37 Tunnel, brs. W. 1 ch. dist.

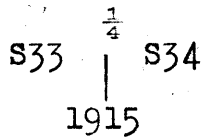
Subdivision of T. 10 N., R. 17 W.

Chains.

80.12 The cor. of secs. 2, 3, 10 and 11.
Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo-verde and cacti.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., which is an iron post, described in Book "A", N.0°2' W., bet. secs. 33 and 34. Over rolling and mountainous land, through scattering undergrowth.

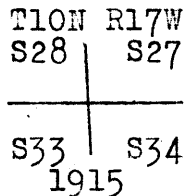
Asc. 20 ft. to
2.80 Desc. to
11.78 Gulch, course SW. Asc. 50 ft. to
16.00 Desc. 30 ft. to
19.85 Asc. 130 ft. to
28.33 Spur, slopes N.70° W. Desc. 115 ft. to
32.70 Asc. 25 ft. to
37.70 Desc. 90 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

~~Nov. 10, 1915. At this cor., I set off 17° 33' S. on the decl. arc; and at separate angles, I observed the sun on the meridian; the resulting lat. is 34° 10' N.~~

54.06 Gulch, course S.70° W. Asc. 95 ft. to
59.25 Desc. 35 ft. to
63.30 Asc. 30 ft. to
71.35 Desc. 50 ft. to
77.50 Asc. to
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked on brass cap



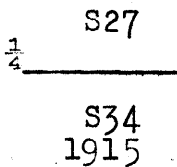
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high; W. of cor.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

40.00 East on a random line, bet. secs. 27 and 34.
79.97 Set temp $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 2 lks. S. of the cor. of secs. 26, 27, 34 and 35.
Thence I run
S.89° 59' W., on a true line, bet. secs. 27 and 34.
Over mountainous land, through scattering undergrowth.
Desc. 120 ft. to
6.71 Gulch, course NW. Asc. 280 ft. to
20.91 Spur, brs. N.80° W. and SE. Desc. 160 ft. to

16. Subdivision of T. 10 N., R. 17 W.

Chains.
 25.10 Gulch, course N.80° W. Asc. 50 ft. to
 29.30 Ridge, brs. N.80° W. and S.80° E. Desc. 270 ft.
 39.98 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

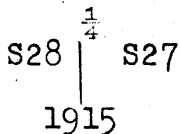


and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.

44.43 Gulch, course SW. Asc. 145 ft. to
 51.06 Short spur, slopes S. Desc. 260 ft. to
 79.97 The cor. of secs. 27, 28, 33 and 34.

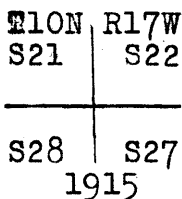
Land, mountainous.
 Soil, rocky and sandy; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

1.95 N.0° 2' W., bet. secs. 27 and 28.
 13.01 Over broken land, through scattering undergrowth. .
 16.62 Asc. 30 ft. to
 21.60 Ridge, brs. E. and W. Desc. 125 ft. to
 36.60 Enter gulch, course W.
 40.00 Leave gulch, course W. Asc. to
 Desc. 45 ft. to
 Thence over rolling land.
 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
 brass cap



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

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the
 ground, in a mound of stone, for cor. of secs. 21, 22,
 27 and 28, marked on brass cap



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

Land, broken and rolling.
 Soil, rocky and sandy; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

~~Nov. 13, 1915: ...~~
~~34° 11 $\frac{1}{2}$ ' N. on the lat. arc; 17° 15' N. on the decl.~~
~~arc; and determine a meridian with the solar at the~~
~~cor. of secs. 21, 22, 27 and 28.~~

40.00 N.89° 59' E., on a random line, bet. secs. 22 and 27.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect N. and S. line, 5 lks. S. of the cor. of secs.
 22, 23, 26 and 27.
 Thence

Subdivision of T. 10 N., R. 17 W.

Chains.

S. 89° 57' W., on a true line, bet. secs. 22 and 27
 Over rolling and broken land, through scattering undergrowth.

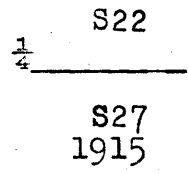
15.75 Center of wash, 1 ch. wide, 2 ft. deep, course NW. Asc. 65 ft. to

23.68 Spur, slopes NW. Desc. 75 ft. to

32.52 Asc. 25 ft. to

37.02 Desc. gentle W. slope, 120 ft.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, 4 ft. base, 2 ft. high, for $\frac{1}{4}$ sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.

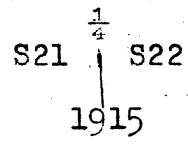
Continue desc. to

66.50 Center of wash, 2 chs. wide, 10 ft. deep, course NW. Thence over gently rolling land.

80.02 The cor. of secs. 21, 22, 27 and 28. Land, rolling and broken. Soil, gravelly and rocky; 3rd rate. No timber. Undergrowth, greasewood, palo verde and cacti.

N. 0° 2' W., bet. secs. 21 and 22.
 Over gently rolling land, through scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base, 20 ins. high, for $\frac{1}{4}$ sec. cor., marked on brass cap

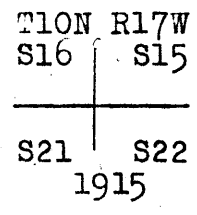


and raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

64.30 Center of wash, 1 ch. wide, 5 ft. deep, course NE. Road in wash, brs. NE. and SW. to Parker.

70.50 Center of wash, 1 ch. wide, 5 ft. deep, course SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked on brass cap



and raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Land, gently rolling.

Soil, sandy and gravelly; 3rd rate.

No timber.

Undergrowth, greasewood, palo verde, and cacti.

18. Subdivision of T. 10 N., R. 17 W.

Chains.

40.00 N.89° 57' E., on a random line, bet. secs. 15 and 22.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.86 Intersect N. and S. line, 14 lks. N. of the cor. of secs.
 14, 15, 22 and 23.
 Thence I run
 N.89° 57' W., on a true line, bet. secs. 15 and 22.
 Over rolling land, through scattering undergrowth.
 Desc. to 1
 1.00 Asc. 30 ft. to
 5.95 Ridge, brs. NW. and SE. Desc. 80 ft. to
 14.36 Center of wash, 1 ch. wide, 5 ft. deep, course NW. Thence
 over gently rolling land.
 39.93 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S15
 $\frac{1}{4}$ —————

S22
 1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high,
 N. of cor.

~~Nov. 15, 1915: At this cor., I set off 17° 45' on the
 decl. arc; and at apparent noon I observe the sun on
 the meridian; the resulting angle is 34° 32'.~~

53.85 Center of wash, 2 chs. wide, 11 ft. deep, course NE. Road
 in wash, brs. NE. to ~~the~~ and SW. to Parker.
 79.86 The cor. of secs. 15, 16, 22 and 21.
 Land, rolling and gently rolling.
 Soil, gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

20.50 N.0° 2' W., bet. secs. 15 and 16.
 Over gently rolling land, through scattering undergrowth.
 40.00 Center of wash, 1 ch. wide, 5 ft. deep, course NE.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S16 | S15
 1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high,
 W. of cor.

Asc. 480 ft.
 61.21 Foot of cliffs, 150 ft. high, brs. NE. and SW.
 64.12 Top of cliffs, brs. NE. and SW
 65.07 Ridge, brs. NE. and SW. Desc. 130 ft. to
 80.00 Draw, course SW.
 Set an iron post, 3 ft. long, 2 ins. diam., 15 ins. in the
 ground, in a mound of stone, 3 ft. base, 15 ins. high,
 for cor. of secs. 9, 10, 15 and 16, marked on brass
 cap

T10N R17W
 S 9 | S10
 —————
 S16 | S15
 1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high,
 W. of cor.

Land, gently rolling and mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, and cacti.

Subdivision of T.10 N., R. 17 W.

Chains.

Nov. 15, 1915. At 3 hrs. 0 min. 1 p.m. I set off 34° 13' N. on the decl. arc; 18° 16' E. on the decl. arc; and determine a meridian with the solar at the cor. of sec. 10, 11, 14 and 15.

40.00 S. 89° 57' E., on a random line, bet. secs. 10 and 15.
Set temp. 1/4 sec. cor.
79.87 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 10, 11, 14 and 15.

Thence
S. 89° 57' W., on a true line, bet. secs. 10 and 15.
Over mountainous land, through scattering undergrowth.

Desc. to
13.82 Gulch, 20 lks. wide, 5 ft. deep, course N. 80° E. Asc. 215 ft. to

28.78 Spur, slopes S. Desc. 75 ft.
39.93 1/2 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base, 20 ins. high, for 1/4 sec. cor., marked on brass cap

S10
1/4

S15
1915

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.
41.45 Gulch, 50 lks. wide, 5 ft. deep, course S. Asc. 150 ft. to

47.75 Ridge, brs. N. and S. Desc. 200 ft. to
61.60 Gulch, 50 lks. wide, 1 ft. deep, course S. Asc. 350 ft. to

69.90 Ridge, brs. N. and S. Desc. 135 ft. to
79.87 The cor. of secs. 9, 10, 15 and 16.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and ocotillo.

18.08 N. 0° 2' W., bet. secs. 9 and 10.
Over mountainous land, through scattering undergrowth. Asc. 150 ft. to

31.17 Ridge, brs. NE. and SW. Desc. 130 ft. to
Center of draw, 2 chs. wide, 10 ft. deep, course SW. Asc. 65 ft. to

31.90 Spur, slopes W. Desc. 65 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap

S9 | S10
1/4
1915

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

Nov. 15, 1915: At this cor., I set off 18° 21' E. on the decl. arc; and at apparent noon, I observe the sun on the meridian; its resulting lat. is 34° 19' 21".

42.60 Wash; 50 lks. wide, 1 ft. deep, course SW. Asc. 175 ft. to

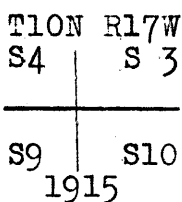
59.49 Ridge, brs. NE. and SW. Thence along W. slope to
77.19 Desc. N. slope, 55 ft. to

80.00 Draw, 50 lks. wide, 1 ft. deep, course NW.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked on brass cap

20.

Subdivision of T. 10 N., R. 17 W.

Chains.



and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Land, mountainous.

Soil, rocky; 4th rate; malpais formation.

No timber.

Undergrowth, greasewood, palo verde and cacti.

40.00
79.88

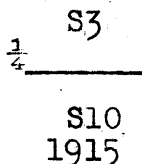
N.89° 57' E., on a random line, bet. secs. 3 and 10.
Set temp. ¼ sec. cor.
Intersect N. and S. line, 2 lks. S. of the cor. of secs. 2, 3, 10 and 11.

Thence

S.89° 56' W., on a true line, bet. secs. 3 and 10.
Over mountainous land, through scattering undergrowth.

20.08
20.68
39.94

Asc. 215 ft. to
Spur, slopes N. Desc. slightly to
Thence over rolling land.
Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 20 ins. high, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.

45.40
73.70
79.88

Center of gulch, 1 ch. wide, 5 ft. deep, course NE. Asc. 590 ft. over cliff, to
Ridge, brs. NE. and SW. Desc. 70 ft. to
The cor. of secs. 3, 4, 9 and 10.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

~~Nov. 17, 1915: At 8 hrs. 0 m., a.m., l.m.t., I set off 34° 14' on the lat. arc; 12° 51½' S. of the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 9 and 10.~~

40.00
80.27

N.0° 2' W., on a random line, bet. secs. 3 and 4.
Set temp. ¼ sec. cor.
Intersect N. bdy. of Tp., 9 lks. E. of the cor. of secs. 3, 4, 33 and 34, which is an iron post, described in Book "A".

Thence

S.0° 6' E., on a true line, bet. secs. 3 and 4.

11.25
14.00
18.75
21.22
26.92
30.40
40.27

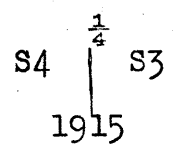
Asc. 170 ft. to
Desc. 85 ft. to
Asc. 45 ft. to
Spur, slopes E. Desc. 35 ft. to
Asc. 150 ft. to
Desc. 80 ft. to
Center of gulch, 1 ch. wide, 2 ft. deep, course E. Asc. 270 ft.
Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the

Subdivision of T. 10 N., R. 17 W.

21.

Chains.

ground, in a mound of stone, 3 ft. base, 20 ins. high, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

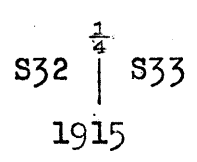
- 42.21 Spur, slopes E. Desc. 25 ft. to
 - 51.59 Center of gulch, 1 ch. wide, course E Asc. 230 ft. to
 - 72.47 Ridge, brs. NE. and SW. Desc. 70 ft. to
 - 80.27 The cor. of secs. 3, 4, 9 and 10.
- Land, mountainous.
Soil, rocky; 4th rate; malpais formation.
No timber.
Undergrowth, greasewood, palo verde and cacti.

From the cor. of secs. 4, 5, 32 and 33, on the S.bdy. of the Tp. which is an iron post, described in Book "A",

N.0° 2' W., bet. secs. 32 and 33. Over rolling and broken land, through scattering undergrowth. Desc. slightly to

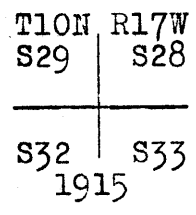
- 10.90 Gulch, course SW. Asc. 65 ft. to
- 21.05 Top of asc.; brs. E. and W. Desc. 90 ft. to
- 40.00 Small ravine, course SW.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

- 44.90 Asc. 55 ft. to
 - 49.07 Desc. 40 ft. to
 - 53.35 Gulch, course W. Asc. 30 ft. to
 - 68.05 Thence along W. slope to
 - 73.00 Desc. 50 ft. to
 - 78.75 Asc. 55 ft. to
 - 80.00 Spur, slopes W. Desc. to
- Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, in a mound of stone, for cor. of secs. 28, 29, 32 and 33, marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling and broken. Soil, rocky; 4th rate apparent. No timber. Undergrowth, greasewood, palo verde and cacti.

- 40.00 East on a random line, bet. secs. 28 and 33.
- 80.00 Set temp. 1/4 sec. cor.
- 80.00 Intersect N. and S. line, 5 lks. S. of the cor. of secs.

22.

Subdivision of T. 10 N., R. 17 W.

Chains.

27, 28, 33 and 34.

Thence

S.89° 58' W., on a true line, bet. secs. 28 and 33.

Over broken land, through scattering undergrowth.

Asc. 25 ft. to

4.90 Desc. 105 ft. to

31.00 Asc. 45 ft. to

40.00 Spur, slopes SW.

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

S28



S33

1915

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

Desc. 70 ft. to

48.20 Thence over gently rolling land

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

Land, broken and gently rolling.

Soil, sandy and rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

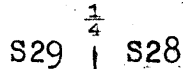
N.0° 2' W., bet. secs. 28 and 29.

Over broken land, through scattering undergrowth.

Desc. 50 ft. to

2.39 Gulch, course W. Asc. slightly, over broken W. slope.

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



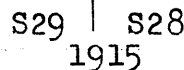
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

65.83 Ridge, brs. NW. and SE. Road, brs. N.30° E. to Glendon and S.30° W. to Parker. Desc. to

66.00 Asc. 80 ft. to

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



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, broken.

Soil, sandy and rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

Subdivision of T.10 N., R. 17 W. 23.

Chains. N.89° 58' E., on a random line, bet. secs. 21 and 28.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line, at the cor. of secs. 21, 22, 27 and 28.
 Thence
 S.89° 58' W., on a true line, bet. secs. 21 and 28.
 Over gently rolling land, through scattering undergrowth.
 36.45 Wash, course N.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 13 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S21
 $\frac{1}{4}$
 S28
 1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Asc. 85 ft. to
 55.23 Spur, slopes NW. Desc. 50 ft. to
 66.35 Wash, course N.20° E. Road in wash, brs. N.20° E. and S.20° W. to Parker. Asc. 125 ft. to
 80.00 The cor. of secs. 20, 21, 28 and 29.
 Land, gently rolling and rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

~~Nov. 16, 1915: At 6 hrs. 9 m., a.m., l.m.t., I set off 54° 11 $\frac{1}{2}$ ' N. on the lat. arc, 18° 32' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.~~

N.0° 2' W., bet. secs. 20 and 21.
 Over mountainous and broken land, through scattering undergrowth.
 Asc. 45 ft. to
 5.00 Desc. 55 ft. to
 14.15 Asc. 110 ft. to
 16.55 Ridge, brs. NE. and SW. Thence along W. slope of ridge.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base, 20 ins. high, for $\frac{1}{4}$ sec. cor., marked on brass cap

S20 $\frac{1}{4}$ S21
 1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.
 48.50 Asc. 65 ft. to
 53.00 Desc. 65 ft. to
 60.70 Asc. 40 ft. to
 65.65 Desc. 45 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, in a mound of stone, 3 ft. base, 8 ins. high, for cor. of secs. 16, 17, 20 and 21, marked on brass cap

T10N R17W
 S17 | S16
 S20 | S21
 1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

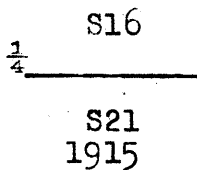
24.

Subdivision of T. 10 N. R. 17 W.

Chains.

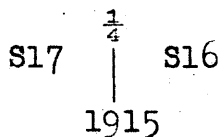
Land, mountainous and broken.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

40.00 N. 89° 58' E., on a random line, bet. secs. 16 and 21.
Set temp. $\frac{1}{4}$ sec. cor.
80.04 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 15, 16, 21 and 22.
Thence I
S. 89° 59' W., on a true line, bet. secs. 16 and 21.
Over gently rolling land, through scattering undergrowth.
10.06 Center of wash, 1 ch. wide, 10 ft. deep, course SE.
30.56 Leave gently rolling land; asc. 295 ft.
40.02 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high for $\frac{1}{4}$ sec. cor., marked on brass cap

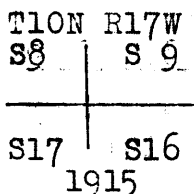


and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
60.42 Desc. 25 ft. to
66.37 Asc. 35 ft. to
71.37 Desc. 35 ft. to
80.04 The cor. of secs. 16, 17, 20 and 21.
Land, rolling and gently rolling.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

N. 0° 2' W., bet. secs. 16 and 17.
Over rolling and broken land, through scattering undergrowth.
30.68 Center of wash, 1 ch. wide, 1 ft. deep, course W. Asc. 85 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.
48.00 Desc. 85 ft. to
64.04 Center of wash, 1 ch. wide, 6 ft. deep, course W. Asc. 105 ft. to
75.88 Spur, slopes W. Desc. 45 ft. to
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, for cor. of secs. 8, 9, 16 and 17, marked on brass cap



Chains.

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

Land, rolling and broken.

Soil, rocky; 3rd rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

~~Nov. 26, 1915: At this cor., I set off 130 3/4 ft. on the decl. line; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 13' N.~~

40.00 N. 89° 59' E., on a random line, bet. secs. 9 and 16. Set temp. 1/4 sec. cor.

80.10 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 9, 10, 15 and 16.

Thence

N. 89° 58' W., on a true line, bet. secs. 9 and 16.

Over mountainous and broken land, through scattering undergrowth.

Asc. 110 ft. to

18.00 Ridge, brs. NE. and SW. Desc. 75 ft. to

24.84 Head of gulch, course NW. Asc. 65 ft. to

29.75 Spur, slopes N. Desc. 110 ft. to

38.10 Center of wash, 1 ch. wide, 5 ft. deep, course SW. Asc. slightly to

40.05 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, 6 ins. high, for 1/4 sec. cor., marked on brass cap

S9

1/4

S16

1915

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.

44.32 Center of wash, 1 ch. wide, 1 ft. deep, course SW. Asc. 65 ft. to

51.85 Desc. 30 ft. to

58.25 Asc. 75 ft. to

65.13 Spur, slopes SW. Desc. 65 ft. to

80.10 The cor. of secs. 8, 9, 16 and 17.

Land, rolling, broken and mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

N. 0° 2' W., bet. secs. 8 and 9.

Over rolling and hilly land, through scattering undergrowth.

Asc. 45 ft. to

5.25 Ridge, brs. NE. and SW. Desc. 80 ft. to

10.60 Center of wash, 1 ch. wide, 2 ft. deep, course SW. Asc. 105 ft. to

31.03 Top of ascent, brs. NE. and SW. Thence over rolling land.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base, 20 ins. high, for 1/4 sec. cor., marked on brass cap

S8 | S9

1915

and raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

50.40 Desc. 115 ft. to

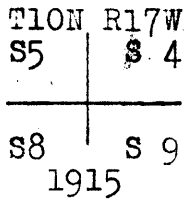
71.56 Center of wash, 1 ch. wide, 2 ft. deep, course NW.

26.

Subdivision of T. 10 N., R. 17 W.

Chains.

80.00 Thence over level land.
Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, 3 ft. base, 20 ins. high, for cor. of secs. 4, 5, 8 and 9, marked on brass cap

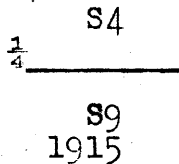


and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
Land, level, rolling and hilly.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

40.00 S.89° 58' E., on a random line, bet. secs. 4 and 9.
Set temp. ¼ sec. cor.
80.02 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 3, 4, 9 and 10.

Thence
S.89° 56' W., on a true line, bet. secs. 4 and 9.
Over rolling hills, through scattering undergrowth.
Desc. 35 ft. to
11.64 Center of gulch, 1 ch. wide, 5 ft. deep, course SW. Asc. 85 ft. to

21.97 Ridge, brs. NE. and SW. Desc. to
30.00 Thence over gently rolling land.
40.01 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base, 14 ins. high, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
Asc. to
42.80 Ridge, brs. NE. and SW. Desc. 200 ft. to
65.00 Foot of desc.; thence over gently rolling land.
80.02 The cor. of secs. 4, 5, 8 and 9.
Land, hilly and gently rolling.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

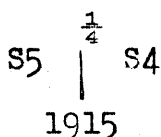
40.00 N.0° 2' W., on a random line, bet. secs. 4 and 5.
Set temp. ¼ sec. cor.
80.37 Intersect N. bdy. of Tp., 7 lks. E. of the cor. of secs. 4, 5, 32 and 33, which is an iron post, described in Book "A."

Thence
S.0° 5' E., on a true line, bet. secs. 4 and 5.
Over rolling hills, through scattering undergrowth.
20.50 Center of wash, 1 ch. wide, 2 ft. deep, course W. Asc. 75 ft. to

40.00 Ridge brs. E. and W. Desc. 80 ft.
40.37 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base, 2 ft. high, for ¼ sec. cor., marked on brass cap

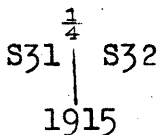
Subdivision of T. 10 N., R. 17 W. 27.

Chains.

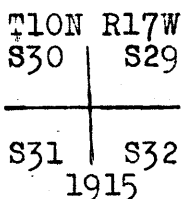


and raise a mound of stone, 3 ft. base, 2 1/2 ft. high,
 W. of cor.
 44.85 Wash, 50 lks. wide, 2 ft. deep, course W. Asc. 35 ft. to
 54.10 Desc. 65 ft. to
 59.00 Asc. 35 ft. to
 72.17 Spur, slopes W. Desc. 60 ft. to
 80.37 The cor. of secs. 4, 5, 8 and 9.
 Land, rolling hills.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of
 the Tp., which is an iron post, describ-
 ed in Book "A,"
 N. 0° 3' W., bet. secs. 31 and 32.
 Over rolling land, through scattering undergrowth.
 Desc. 100 ft. to
 17.20 Asc. 60 ft. to
 20.15 Desc. 60 ft. to
 35.13 Wash, course N. 80° E.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a
 mound of stone, for 1/4 sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 W. of cor.
 49.90 Wash, course SE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 29, 30, 31 and 32, marked on
 brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 W. of cor.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

~~Nov. 15, 1915: At this cor., I set off 18° 21' 0" as the
 decl. arc; and at apparent noon, I observe the sun on
 the meridian; the resulting lat. is 34° 10 1/2' N.~~

40.00 East on a random line, bet. secs. 29 and 32.
 80.03 Set temp. 1/4 sec. cor.
 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
 28, 29, 32 and 33.
 Thence
 S. 89° 59' W., on a true line, bet. secs. 29 and 32.
 Over rolling and broken land, through scattering undergrowth.
 Desc. 60 ft. to
 23.85 Thence over gently rolling land.

28.

Subdivision of T. 10 N. R. 17 W.

Chains.

40.01 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S29

 $\frac{1}{4}$

S32

1915

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

49.60 Road, brs. N.10° W. and S.10° E. to Parker.

71.03 Wash, course S. Asc. slightly to

80.03 The cor. of secs. 29, 30, 31 and 32.

Land, rolling, gently rolling and broken.

Soil, rocky and sandy; 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

40.00

West on a random line, bet. secs. 30 and 31.

79.47

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

Intersect W. bdy. of Tp., 5 lks. S. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, described in Book "A!"

Thence

S.89° 58' E., on a true line, bet. secs. 30 and 31.

Over broken land, through scattering undergrowth.

Desc. 80 ft. to

4.36

Gulch, course S.20° E. Asc. 60 ft. to

23.05

Spur, slopes NW. and SE. Desc. 210 ft.

39.47

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

S30

 $\frac{1}{4}$

S31

1915

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

49.48

Gulch, course SE. Asc. 75 ft. to

55.79

Spur, brs. S. and NW. Desc. 75 ft. to

61.37

Gulch, course S. Asc. 35 ft. to

79.47

The cor. of secs. 29, 30, 31 and 32.

Land, broken.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

~~Nov. 16, 1915: At this cor., I set off 180° 36' 0" on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 10' 1" N.~~

40.00

N.0° 3' W., bet. secs. 29 and 30.

Over rolling land, through scattering undergrowth.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S30

 $\frac{1}{4}$

S29

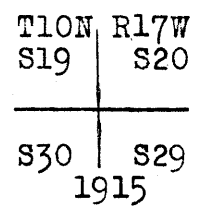
1915

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

Chains.

44.49
55.08
63.02
72.50
80.00

W. of cor.
Gulch, course S.40° E. Asc. 75 ft. to
Spur, slopes W. Desc. 125 ft. to
Gulch, course S.15° W. Asc. 45 ft. to
Desc. to
Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
stone, for cor. of secs. 19, 20, 29 and 30, marked on
brass cap

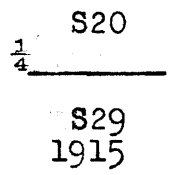


and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
Land, rolling and broken.
Soil, rocky and sandy; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

40.00
80.00

13.44
26.92
40.00

N.89° 59' E., on a random line, bet. secs. 20 and 29.
Set temp. ¼ sec. cor.
Intersect N. and S. line, at the cor. of secs. 20, 21, 28
and 29.
Thence
S.89° 59' W., on a true line, bet. secs. 20 and 29.
Over broken land, through scattering undergrowth.
Asc. 150 ft. to
Divide, brs. N. and S. Desc. 130 ft. to
Gulch, course S.20° W. Asc. 110 ft. to
Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for ¼ sec. cor., marked on brass cap

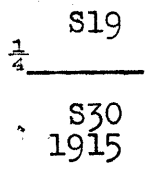


and raise a mound of stone, 2 ft. base, 1½ ft. high,
N. of cor.
Corner falls on spur, slopes N. and S. Desc. 170 ft. to
Gulch, course SW. Asc. 70 ft. to
Spur, slopes S.20° E. Desc. 35 ft. to
The cor. of secs. 19, 20, 29 and 30.
Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

40.00
79.44

39.44

N.89° 58' W., on a random line, bet. secs. 19 and 30.
Set temp. ¼ sec. cor.
Intersect W. bdy. of Tp., 5 lks. S. of the cor. of secs.
19, 24, 25 and 30, which is an iron post,
described in Book "A".
Thence
S.89° 56' E., on a true line, bet. secs. 19 and 30.
Over rolling and broken land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground, in a mound of stone, for ¼ sec. cor., marked on
brass cap

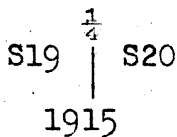


30. Subdivision of T.10 N., R. 17 W.

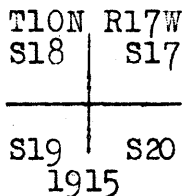
Chains.
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 53.90 Desc. 70 ft. to
 64.16 Wash, course S.10° E. Asc. 35 ft. to
 79.44 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling and broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

Nov. 17, 1915: At 8 hrs. 0 m., a.m., l.m.t., I set off
 $34^{\circ} 11\frac{1}{2}'$ N. on the lat. arc; $18^{\circ} 48'$ S. on the decl.
 arc; and determine a meridian with the solar at the
 solar at the cor. of secs. 19, 20, 29 and 30.

Thence
 N.0° 3' W., bet. secs. 19 and 20.
 Over rolling land, through scattering undergrowth.
 Asc. 185 ft. to
 40.00 Spur, brs. N.60° W. and S.60° E. Set an iron post, 3 ft.
 long, 1 in. diam., 20 ins. in the ground, in a mound
 of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 54.25 Desc. 90 ft. to
 57.70 Asc. 20 ft. to
 58.92 Desc. 40 ft. to
 Gulch, course S.40° W. Comes from N.70° W. Asc. 40 ft.
 to
 80.00 Short spur, slopes SW.
 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 17, 18, 19 and 20, marked on
 brass cap



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

40.00 N.89° 59' E., on a random line, bet. secs. 17 and 20.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect N. and S. line, 14 lks. N. of the cor. of secs.
 16, 17, 20 and 21

Thence
 N.89° 55' W., on a true line, bet. secs. 17 and 20.
 Over rolling and broken land, through scattering under-
 growth.
 Asc. 50 ft. to
 3.86 Spur, slopes NW. Desc. 155 ft.
 40.03 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

Chains.

S17
 $\frac{1}{4}$ _____

S20
1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,
N. of cor.

42.90 Asc. .75 ft. to
47.79 Short spur, slopes SE. Desc. 130 ft. to
80.06 The cor. of secs. 17, 18, 19 and 20.
Land, rolling. and broken.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

40.00 N. 89° 56' W., on a random line, bet. secs. 18 and 19.
Set temp. $\frac{1}{4}$ sec. cor.
79.33 Intersect W. bdy. of Tp., 14 lks. N. of the cor. of secs.
13, 18, 19 and 24, which is an iron post, established
as described in Book "A,"

Thence
N. 89° 58' E., on a true line, bet. secs. 18 and 19.
Over broken land, through scattering undergrowth.

Desc. 100 ft. to
3.69 Gulch, course SE. Asc. 115 ft. to
17.58 Spur, slopes SE. Desc. 270 ft. to
28.99 Gulch, course SE. Asc. 250 ft.
39.33 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S18
 $\frac{1}{4}$ _____

S19
1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,
N. of cor.

62.03 Spur, slopes S. 30° E. Desc. 235 ft. to
70.20 Wash, course SE. Asc. 35 ft. to
79.33 The cor. of secs. 17, 18, 19 and 20.
Land, broken.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

~~Nov. 18, 1915; At 9 hrs. 4 m., a.m., 1 m.t., I set off
34° 12' N. on the lat. arc, 100 3/4' S. on the decl. arc;
and determine a meridian with the solar at the cor. of
secs. 17, 18, 19 and 20.~~

Thence
N. 0° 3' W., bet. secs. 17 and 18.

Over rolling land, through scattering undergrowth.
Desc. 45 ft. to
5.45 Wash, course S. 40° W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
brass cap.

S18 $\frac{1}{4}$ S17
|
1915

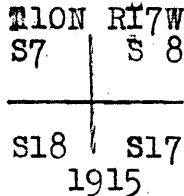
and raise a mound of stone, 2 ft. base, 1½ ft. high,

32.

Subdivision of T. 10 N. R. 17 W.

Chains.

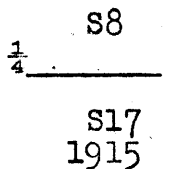
W. of cor.
 Asc. in gulch, course SE. Comes from N.
 47.90 Leave gulch, course S. Comes from NW. Asc. 55 ft. to
 53.85 Desc. 50 ft. to
 70.39 Wash, course S.40° E. Comes from N.70° W. Asc. slightly
 to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 7, 8, 17 and 18, marked on
 brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.
 Land, broken.
 Soil, sandy and rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

40.00 S.89° 55' E., on a random line, bet. secs. 8 and 17.
 Set temp. ¼ sec. cor.
 80.08 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
 8, 9, 10 and 17.

Thence
 N.89° 52' W., on a true line, bet. secs. 8 and 17.
 Over broken land, through scattering undergrowth.
 Desc. 50 ft. to
 10.10 Wash, course S. Asc. 80 ft. to
 13.05 Short, rocky cliff, brs. N. and S. Desc. 60 ft. to
 17.86 Head of small ravine, course S.10° E. Asc. 80 ft. to
 26.59 Long spur, slopes S.30° W. Desc. 55 ft. to
 35.09 Head of small ravine, course NW. Asc. slightly.
 40.04 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor.
 42.04 Desc. 140 ft. to
 54.84 Wash, course S.30° W. Comes from N. Asc. 50 ft. to
 64.80 Spur, brs. N. and SW. Desc. slightly to
 80.08 The cor. of secs. 7, 8, 17 and 18.
 Land, broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

40.00 S.89° 58' W., on a random line, bet. secs. 7 and 18.
 Set temp. ¼ sec. cor.
 79.20 Intersect W. bdy. of Tp., 11 lks. S. of the cor. of secs.
 7, 12, 13 and 18, which is an iron post,
 described in Book "A"

Thence I run

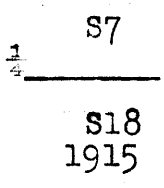
Chains.

S. 89° 57' E., on a true line, bet. secs. 7 and 18.
Over rolling and broken land, through scattering undergrowth.

2.58
9.51
20.46
31.85
39.20

Desc. 50 ft. to
Gulch, course NE. Comes from N. 80° W. Asc. 75 ft. to
Spur, slopes N. Desc. 150 ft. to
Same gulch, course S. 80° E. Asc. 40 ft. to
Desc. 45 ft.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap



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

64.08
79.20

Wash, course SE. Asc. 40 ft. to
The cor. of secs. 7, 8, 17 and 18.

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

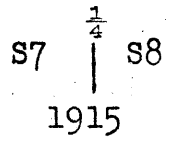
Undergrowth, greasewood, palo verde and cacti.

~~Nov. 13, 1915: At this cor., I set off 19° 6' S. on the decl. arc, and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 13' N.~~

N. 0° 3' W., bet. secs. 7 and 8.
Over rolling land, through scattering undergrowth.

40.00

Asc. gradually, 130 ft., on spur, slopes S.
Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for 1/4 sec. cor., marked on brass cap

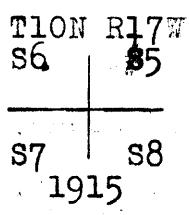


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

45.00
51.16
75.70
80.00

Leave spur, brs. NE. and S. Desc. 40 ft. to
Head of small ravine, course SW. Asc. 60 ft. to
Same spur, brs. NW. and SE. Desc. 25 ft. to

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, in a mound of stone, for cor. of secs. 5, 6, 7 and 8, marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cacti.

34.

Subdivision of T.10 N. R. 17 W.

Chains.

S.89° 52' E., on a random line, bet. secs. 5 and 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.08 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
 4, 5, 8 and 9.
 Thence
 N.89° 51' W., on a true line, bet. secs. 5 and 8.
 Over rolling hills, through scattering undergrowth.
 29.58 Center of wash, 1 ch. wide, 5 ft. deep, course SW.
 40.04 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the
 ground, in a mound of stone, 3 ft. base, 15 ins. high,
 for $\frac{1}{4}$ sec. cor., marked on brass cap

S5

 $\frac{1}{4}$

S8

1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.
 40.93 Center of wash, 1 ch. wide, 2 ft. deep, course S. Asc. 90
 ft. to
 69.34 Ridge, brs. NW. and SE. Desc. 50 ft. to
 75.64 Center of wash, 1 ch. wide, 5 ft. deep, course SE. Asc.
 45 ft. to
 80.08 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling hills.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

N.89° 57' W., on a random line, bet. secs. 6 and 7.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.19 Intersect W. bdy. of Tp., 5 lks. N. of the cor. of secs.
 1, 6, 7 and 12, which is an iron post,
 described in Book "A."
 Thence
 S.89° 59' E., on a true line, bet. secs. 6 and 7.
 Over broken land, through scattering undergrowth.
 Desc. 95 ft. to
 14.93 Gulch, course SE. Asc. 25 ft. to
 24.00 Spur, slopes SE. Desc. 85 ft. to
 36.85 Gulch, course S.40° E. Asc. 110 ft.
 39.19 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S6

 $\frac{1}{4}$

S7

1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.
 51.33 Spur, slopes SE. Desc. 80 ft. to
 57.62 Gulch, course SE. Asc. 70 ft., along spur, sloping W.
 71.85 Top of spur, slopes W. Also spur slopes S.40° E. Desc.
 30 ft. to
 79.19 The cor. of secs. 5, 6, 7 and 8.
 Land, broken.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde and cacti.

N.0° 3' W., on a random line, bet. secs. 5 and 6.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.

Chains.

80.17

Intersect N. bdy. of Tp., 7 lks. E. of the cor. of secs. 5, 6, 31 and 32, which is an iron post, as described in Book "A"

Thence

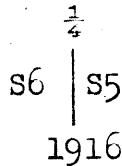
S.0° 6' E., on a true line, bet. secs. 5 and 6. Over rolling hills, through scattering undergrowth. Asc. slightly to

36.06

Ridge, brs. E. and W. Desc. 45 ft.

40.17

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base, 20 ins. high, for $\frac{1}{4}$ sec. cor., marked on brass cap



and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

45.20

Asc. 15 ft. to

47.70

Desc. 55 ft. to

52.60

Asc. 20 ft. to

53.55

Desc. 55 ft. to

61.00

Asc. 65 ft. to

66.91

Spur, slopes E. Desc. 85 ft. to

80.17

The cor. of secs. 5, 6, 7 and 8.

Land, rolling hills.

Soil, rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cacti.

GENERAL DESCRIPTION.

This township lies in the Buckskin Mountains, which traverse the central part of the township in a northerly direction. The surface varies from rough mountainous land of granite formation in the southern part to low broken land in the south western part. The northern part is of volcanic formation.

The western half of the township drains to the south; the eastern half drains northerly through Mineral Wash to the Bill Williams River.

Soil is a fine sandy clay loam, very rocky, which can all be classed as 4th rate.

Vegetation consists of palo verde, greasewood, ocotillo and cacti. Ironwood is found along the banks of the larger washes. There is no grass or timber in the township.

There are patented mineral claims in secs. 1, 2, 3, 10 and 11. Considerable prospecting has been done in the north east corner of this township, as evidenced by prospect holes.

Book "B,"

Group 48---Arizona.

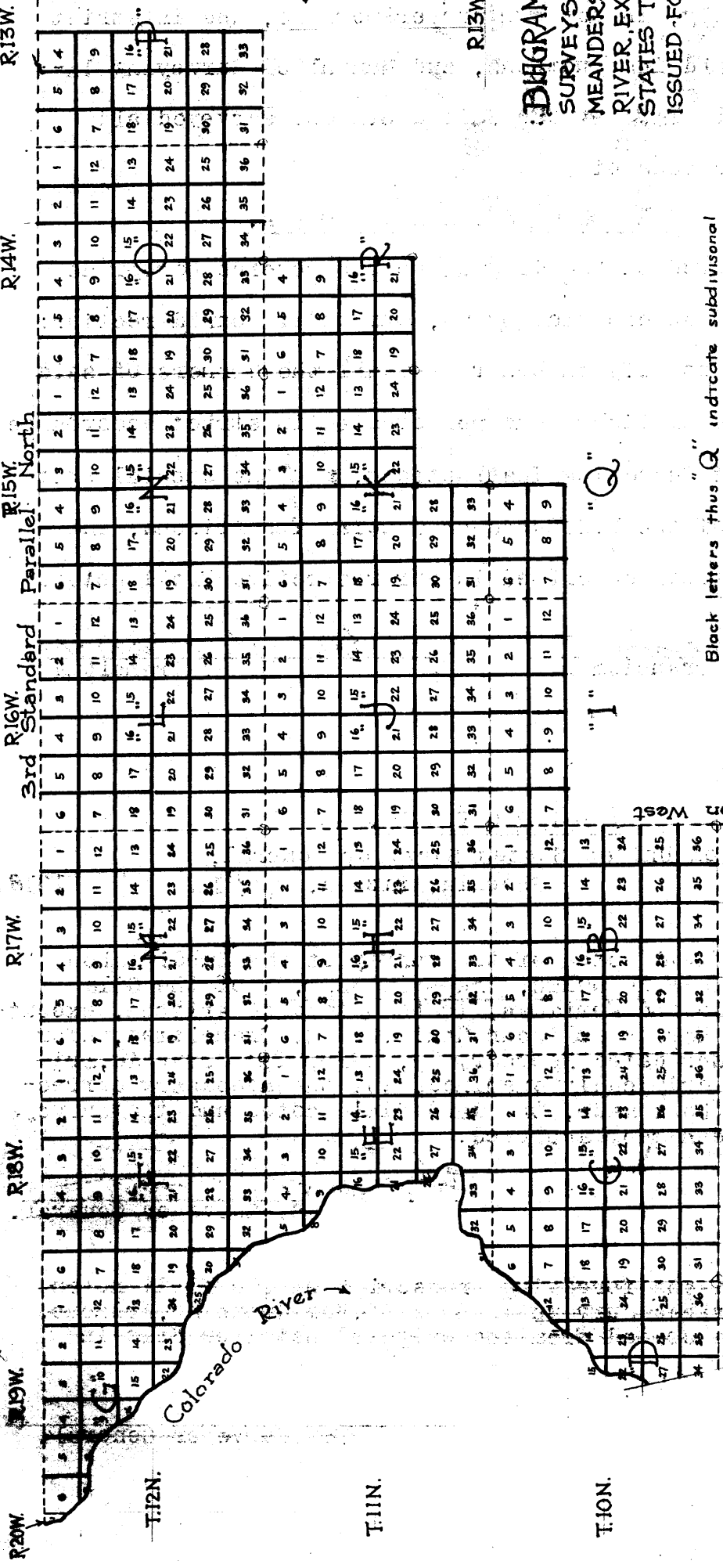
Township 10 North, Range 17 West.

DATE DIAGRAM.

	11-19-15	11-19-15	11-18-15	11-17-15	11-9-15	11-3-15	
11-19-15	6	5	4	3	2	1	11-3-15
11-19-15	11-19-15	11-19-15	11-16-15	11-15-15	11-11-15	11-8-15	
11-19-15	7	8	9	10	11	12	11-2-15
11-18-15	11-18-15	11-18-15	11-16-15	11-15-15	11-11-15	11-8-15	
11-18-15	18	17	16	15	14	13	11-2-15
11-17-15	11-18-15	11-17-15	11-16-15	11-13-15	11-10-15	11-6-15	
11-17-15	19	20	21	22	23	24	11-2-15
11-17-15	11-17-15	11-16-15	11-15-15	11-13-15	11-9-15	11-6-15	
11-16-15	30	29	28	27	26	25	11-2-15
11-16-15	11-16-15	11-15-15	11-13-15	11-13-15	11-8-15	11-5-15	
11-16-15	31	32	33	34	35	36	11-2-15
11-15-15	11-15-15	11-13-15	11-12-15	11-12-15	11-8-15	11-4-15	10-30-15
11-15-15	11-15-15	11-13-15	11-12-15	11-5-15	11-4-15		

Lines dated in red were surveyed by Alexander T. Harris, U. S. Transitman.

Lines dated in blue were surveyed by John Gonin, U. S. Transitman.



BOOK 3017

DIAGRAM SHOWING THE RESPECTIVE MEANDERS OF SUBDIVISION LINES AND RIVER, EXECUTED BY EACH UNITED STATES TRANSITMAN UNDER INSTRUCTIONS ISSUED FOR GROUP No 48 - ARIZONA.

Executed by Alexander T. Harris U.S. Transitman.

Executed by John Conin U.S. Transitman.

Black letters thus "Q" indicate subdivisional beats of this Group

2nd Standard Parallel North

4th Guide Meridian West

T.20W. T.19W. T.18W. T.17W. T.16W. T.15W. T.14W. T.13W.

T.12N.

T.11N.

T.10N.

T.9N.

31

CERTIFICATES OF U. S. TRANSITMEN.

We, the undersigned, hereby certify on honor that, in pursuance of special instructions received from the U.S. Surveyor General for Arizona, bearing date of February 13, 1915, we have well, faithfully and truly, in our own proper persons, and in strict conformity with said instructions, and Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

GROUP 48, ARIZONA,

which are represented on the diagram on the reverse hereof as having severally been executed by us, and under our direction; and we do further certify on honor 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 Arizona, and in the specific manner described in our respective field notes.

John Gonin
U. S. Transitman.

Alex T. Harris
U. S. Transitman.

A P P R O V A L .

Office of United States Surveyor General,
Phoenix, Arizona, MAY 17 1918.

The foregoing field notes of the survey of the Subdivision lines of TOWNSHIP 10 NORTH, RANGE 17 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Alexander T. Harris and John Gonin, U. S. Transitmen, under special instructions dated February 13, 1915, for Group 48, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes and the surveys they describe, are hereby approved.

Frank P. Smith
U. S. Surveyor General.

~~I certify that the foregoing transcript of the field notes of the above-described surveys in Book "B," of Group 48, Arizona, has been correctly copied from the original notes on file in this office.~~

~~U. S. Surveyor General.~~