

3022

Book "G"

4-879

G.L.O. letter "E"
March 29, 1914.

315

(1)

(SUBDIVISIONS)

BOOK 3022

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONAL LINES

of

FRAC. TOWNSHIP 12 NORTH, RANGE 19 WEST.

and

MEANDERS OF THE LEFT BANK OF THE COLORADO RIVER, WITHIN

FRAC. TOWNSHIP 12 NORTH, RANGE 19 WEST.

and

FRAC. TOWNSHIP 12 NORTH, RANGE 20 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 January 3., 1916.

Survey completed January 10., 1916.

3022

3022

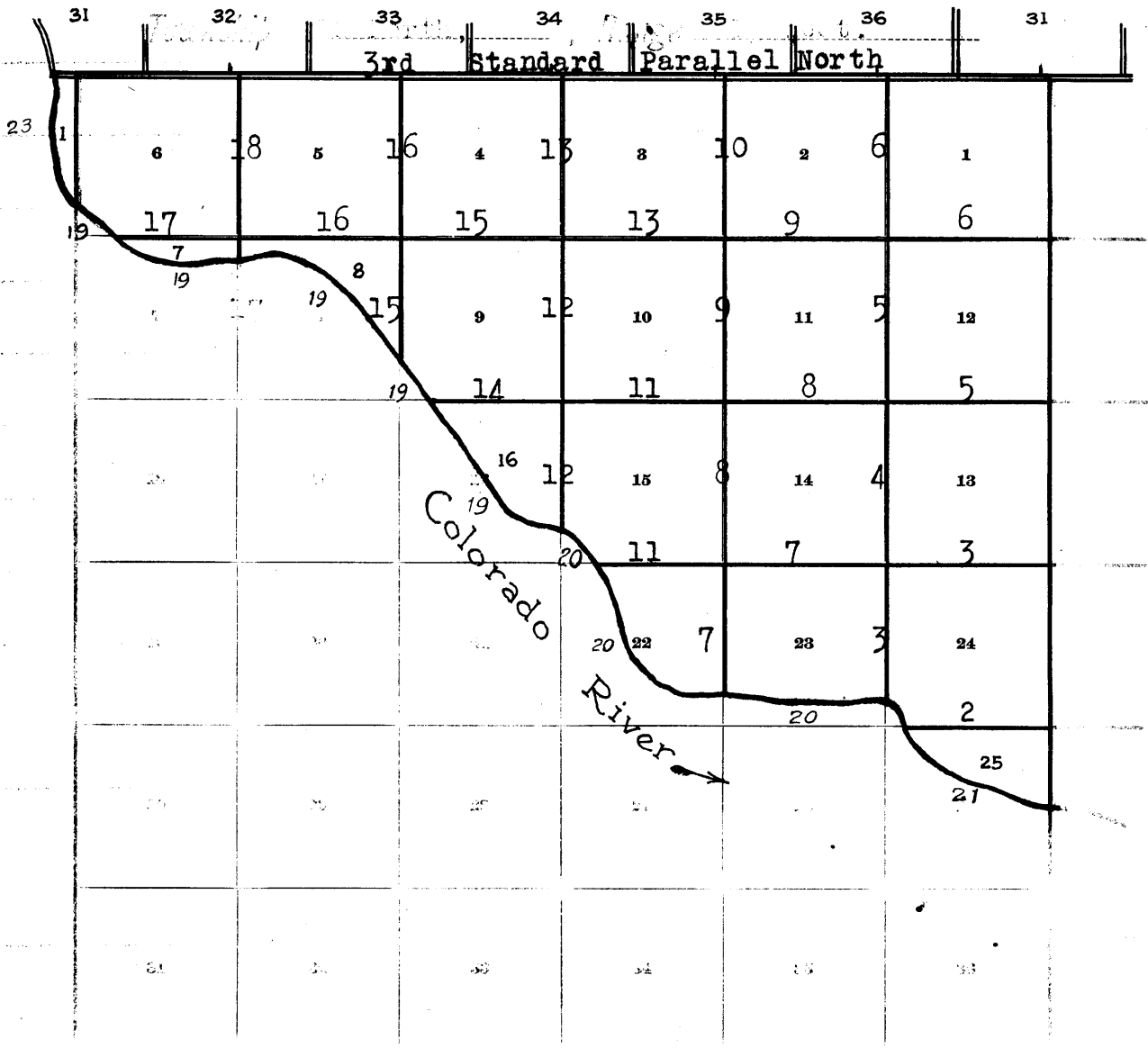
BOOK 3022

Book "G"

Group 48 - - Arizona.

Fracl. Township 12 North, Range 19 West.

INDEX DIAGRAM.



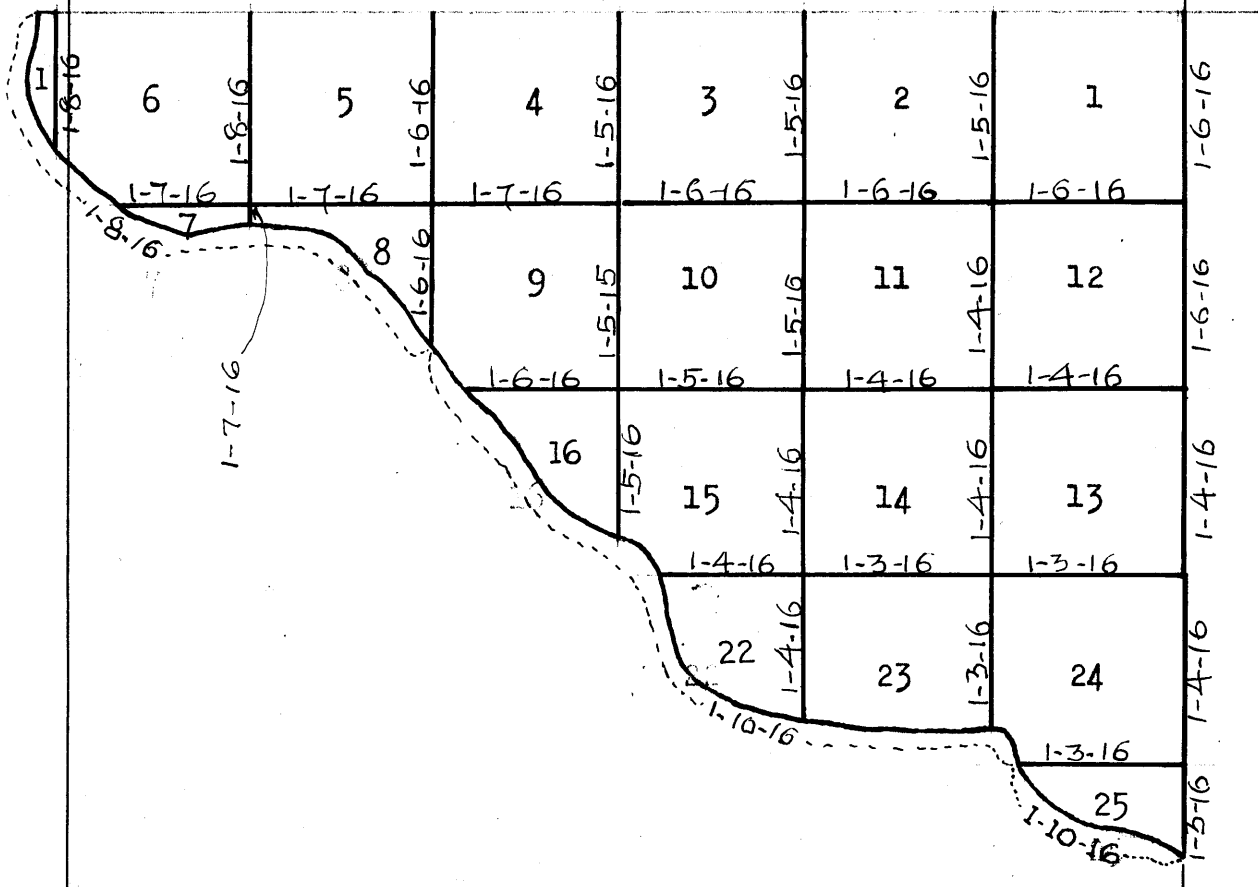
- Surveved under this Group. Notes in this book.
- Surveved under this Group. Notes in Book "A."
- Surveved under this Group. Notes in Book "F"
- Surveved under Group No. 42.

Book "G"

Group 48 - - Arizona

Fracl. Township 12 North, Range 19 West.

DATE DIAGRAM.



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.

2. Subdivision of Fractional T. 12 N., R. 19 W.

Chains.

Surveys hereinafter described were executed by Alexander T. Harris & John Conin, U.S. Transitmen, on dates shown on page 1 hereof, using Young & Sons' high mountain transits Nos. 8611 & 8492, respectively, described with certificates of approval and tests in Books "A" and "B" respectively.

We examine the adjustments of our transits, and correct all errors; then to test the solar, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, we proceed as follows; -
Jan. 2, 1916.

At our camp, in sec. 25, T. 12 N., R. 19 W., lat. $34^{\circ} 22' N.$, long. $114^{\circ} 12' W.$, at 0 hrs. 43.5 m., a.m., l.m.t., by our watches, which are set to correct local mean time, we observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a hub, 10 chs. N. of our station.

At 8 hrs. 0 m., a.m., l.m.t., we 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, 10 chs. N. of our station.

At 8 hrs. 30 m., a.m., l.m.t., we set off $22^{\circ} 57' S.$ on the decl. arcs; $34^{\circ} 22' N.$ on the lat. arcs; and determine a meridian with each solar. The meridian thus determined departs less than 1' from the meridian determined by observations on Polaris at elongation.

At apparent noon, we set off $22^{\circ} 57\frac{1}{2}' N.$ on the decl. arcs; and observe the sun on the meridian; the resulting lat. with each solar is $34^{\circ} 22' N.$

At 3 hrs. 30 m., p.m., l.m.t., we set off $34^{\circ} 22' N.$ on the lat. arcs; $22^{\circ} 55\frac{1}{2}' S.$ on the decl. arcs; and determine a meridian with each solar; The meridians thus determined depart less than 1' from the meridian determined by observations on Polaris at elongation.

The solar, by a.m. and p.m. observations, define positions for meridians which depart less than 1' from the true meridian determined by observations on Polaris at elongation; therefore, since these instruments fulfill the conditions of our instructions, we conclude that their adjustments are satisfactory.

The magnetic bearing of the true meridian, at 8 hrs. 30 m., a.m., is $N. 15^{\circ} W.$; the mag. decl. is therefore $15^{\circ} E.$

I commence at the cor. of sec. 19, & fracl. secs. 24, 25 & 30, which is an iron post, described in Book "A."

Thence

West on a true line, bet. fracl. secs. 24 and 25.

Over broken land, through scattering undergrowth.

Asc. 80 ft. to

6.71 Spur, slopes S. Desc. 90 ft. to

15.00 Asc. 45 ft. to

20.95 From this point, U. S. G. S. B. M., elevation 405 ft., brs. S. 10 chs. dist. Vertical angle to bench mark is -4° . Desc. 70 ft.

25.54 Road, brs. N. and S.

29.54 Wash, course S. Asc. 80 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

S24

$\frac{1}{4}$

S25

1916

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

41.95 Desc. 50 ft. to

50.00 Asc. 60 ft. to

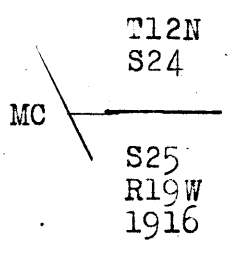
53.60 Desc. 30 ft. to

Subdivision of Fractional T. 12 N., R. 19 W.

3.

Chains.
69.19

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, on the left bank of the Colorado River, 100 ft. above water, for meander cor. of fracl. secs. 24 and 25, marked on brass cap



dig a pit, 36 X 36 X 12 ins., 8 ft. E. of post; and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.

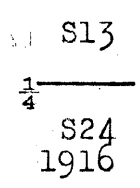
Land, broken.
Soil, gravel and rock; 3rd and 4th rate.
No timber.
Undergrowth, palo verde and cactus.

12.70
20.55
35.07
40.00

From the cor. of secs. 13, 18 & 19 & fracl. sec. 24, on E. body. of Tp., which is an iron post, described in Book "A," West on a true line, bet. sec. 13 and fracl. sec. 24. Over broken land, through scattering undergrowth.

Desc. 115 ft. to
Asc. 55 ft. to
Desc. 100 ft. to
Wash, course S. Road in wash, brs. N. and S. Thence over rolling land.

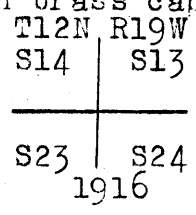
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

49.20
69.85
74.43
80.00

Desc. 90 ft. to
Asc. 70 ft. to
Spur, slopes S. Desc. 70 ft. to
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13, and 14, and fracl. secs. 23 and 24, marked on brass cap



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

Land, broken.
Soil, 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cactus.

6.90
30.02

S.0° 1' E., on a true line, bet. fracl. secs. 23 and 24. Over broken land, through scattering undergrowth.
Asc. 30 ft. to
Short spur, slopes SSW. Desc. gradually to
Wash, course SW. Asc. 25 ft.

4. Subdivision of Fractional T. 12 N., R. 19 W.

chains.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S23 | S24
1916

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

44.10 Desc. 50 ft. to

57.25 Asc. 30 ft. to

62.20 Desc. 45 ft. to

66.08 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, on the left bank of the Colorado River, 10 ft. above the water, for meander cor. of fractional secs. 23 and 24, marked on brass cap

T12N R19W
S23 | S24
— M.C —
1916

dig a pit, 36 X 36 X 12 ins., 8 ft. N. of post; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

Land, rolling and broken.

Soil, 4th rate.

No timber.

Undergrowth, greasewood, palo verde, cat claw and cactus.

30.00 From the cor. of secs. 13, & 14, & fracl. secs. 23 & 24, N.0° 1' W., bet. secs. 13 and 14.

Over level land, through scattering undergrowth.

40.00 Asc. 160 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

$\frac{1}{4}$
S14 | S13
1916

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

49.15 Thence along E. slope to

68.20 Desc. 30 ft. to

73.15 Asc. 40 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 11, 12, 13 and 14, marked on brass cap

T12N R19W
S11 | S12
— S14 — S13
1916

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

Land, level and mountainous.

Soil, 4th rate.

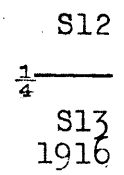
No timber.

Undergrowth, greasewood, palo verde and cactus.

Subdivision of Fractional T. 12 N., R. 19 W.

Chains.

40.00 East on a random line, bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect E. 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
 S. $89^{\circ} 55'$ W., on a true line, bet. secs. 12 and 13.
 Over rolling hills, through scattering undergrowth.
 20.50 Center of wash, 1 ch. wide, 5 ft. deep, course SW.
 33.18 Center of wash, 1 ch. wide, 5 ft. deep, course SW.
 38.18 Road, brs. NE. and SW.
 40.01 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

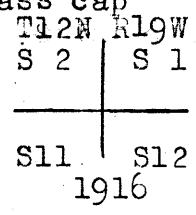


and raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high,
 N. of cor.
 64.53 Leave rolling land, asc. E. slope, 80 ft. to
 68.55 Spur, slopes N. Desc. W. slope, 115 ft. to
 77.25 Center of wash, 1 ch. wide, 2 ft. deep, course S. Asc.
 slightly to
 80.02 The cor. of secs. 11, 12, 13 and 14.
 Land, rolling hills.
 Soil, E. half mile, gravelly, 3rd rate; W. half mile,
 malpais; 4th rate.
 No timber.
 Undergrowth, palo verde, greasewood and sagebrush.

N. $0^{\circ} 1'$ W., bet. secs. 11 and 12.
 Over broken land, through scattering undergrowth.
 Asc. 50 ft. to
 9.60 Rocky spur, slopes SW. Desc. 85 ft. to
 17.62 Wash, course SW. Asc. 105 ft. to
 24.00 Desc. 55 ft. to
 28.95 Asc. 25 ft. to
 33.95 Desc. 30 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, 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.
 Asc. 55 ft. to
 60.00 Thence over rolling land.
 63.00 Road, brs. E. and W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 11 and 12, and fracl. secs. 1
 and 2, marked on brass cap



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

6. Subdivision of Fractional T. 12 N., R. 19 W.

Chains.

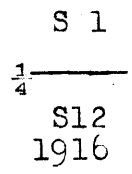
No timber.
Undergrowth, palo verde, greasewood and cactus.

40.00 N. 89° 55' E., on a random line, bet. sec. 12 & fracl. sec. 1.
Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect E. Bdy. of Tp., 19 lks. N. of the cor. of secs. 7 and 12, and fracl. secs. 1 and 6, which is an iron post, described in Book "A".
Thence
N. 89° 57' W., on a true line, bet. sec. 12 & fracl. sec. 1.
Over rolling land, through scattering undergrowth.

22.60 Center of wash, 2 chs. wide, 2 ft. deep, course SW. Old road in wash, brs. NE. and SW.

40.01 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



46.00 and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
Center of wash, 2 chs. wide, 1 ft. deep, course SW. Thence over gently rolling land.

80.02 The cor. of secs. 11 and 12 and fracl. secs. 1 and 2. Land, rolling and gently rolling.
Soil, gravelly; 3rd rate.
No timber.
Undergrowth, palo verde, greasewood and sagebrush.

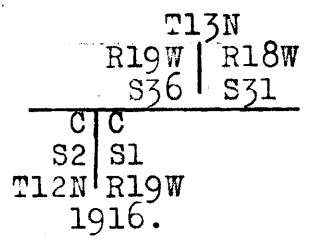
40.00 N. 0° 1' W., on a true line, bet. fracl. secs. 1 and 2.
Over rolling land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



50.00 and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.
Asc. S. slope, 50 ft. to

54.94 Gravel hill, 15 chs. long, brs. E. and W. Desc. 40 ft. to

60.03 Intersect the Third Standard Parallel North, 5.95 chs. E. of the standard $\frac{1}{4}$ sec. cor. of sec. 36, T. 13 N., R. 19 W., which is a granite rock, 6 X 8 X 6 ins. above ground, marked and witnessed as described by the Surveyor-General. (Established under Group No. 42.)
At the point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 1 and 2, marked on brass cap



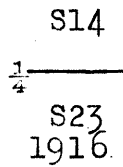
Subdivision of Fractional T. 12 N., R. 19 W. 7.

Chains.

and raise a mound of stone, 3 ft. base, 3 ft. high, S. of cor.
Land, gently rolling; and broken.
Soil, gravelly and rocky; 3rd and 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cactus.

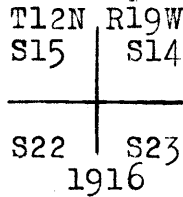
6.10
31.00
40.00

From the cor. of secs. 13, and 14, and fracl. secs. 23 & 24.
West on a true line, bet. sec. 14 and fracl. sec. 23.
Over rolling land, through scattering undergrowth.
Asc. 85 ft. to
Spur, slopes S. Desc. gradually to
Wash, course S. Thence over gently rolling land.
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



80.00

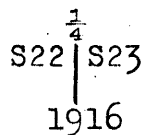
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Wash, course S. 85° W.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of sec. 14, and fracl. secs. 15, 22 and 23, marked on brass cap



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, rolling and gently rolling.
Soil, 3rd rate.
No timber.
Undergrowth, greasewood, palo verde and cactus.

10.00
25.00
31.30
34.75
40.00

S. 0° 1' E., on a true line, bet. fracl. secs. 22 and 23.
Over broken land, through scattering undergrowth.
Asc. 75 ft. to
Thence along W. slope to
Asc. 75 ft. to
Desc. 35 ft. to
Wash, course W. Asc. 40 ft. to
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



48.40
56.06
61.00
64.78

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Desc. 115 ft. to
Asc. 45 ft. to
Desc. 40 ft. to
Enter dense undergrowth, brs. E. and W. Thence over level land.
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the

8

Subdivision of Fractional T. 12 N., R. 19 W.

Chains.

ground, on the left bank of the Colorado River, 10 ft. above the water, for meander cor. of fracl. secs. 22 and 23, marked on brass cap

T12N	R19W
S22	S23

M C
1916

dig a pit, 36 X 36 X 12 ins., 8 ft. N. of post; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

Land, level and broken.

Soil, 1st 50.00 chs. 4th rate; last 14.78 chs., 1st rate.

No timber.

Undergrowth, greasewood, palo verde, cat claw and mesquite.

40.00

N.0° 1' W., bet. sec. 14 and fracl. sec. 15.
Over rolling land, through scattering undergrowth.
Asc. 130 ft. to

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$	
S15	S14
1916	

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

80.00

Asc. 155 ft. to

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and fracl. sec. 15, marked on brass cap

T12N	R19W
S10	S11

S15	S14
1916	

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

Land, rolling.

Soil, 4th rate.

No timber.

Undergrowth, palo verde, 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, 5 lks. N. of the cor. of secs. 11, 12, 13 and 14.

Thence

N.89° 58' W., on a true line, bet. secs. 11 and 14.

Over broken land, through scattering undergrowth.

Asc. 25 ft. to

6.64

Spur, slopes SW. Desc. 145 ft. to

18.72

Wash, course S. Asc. 110 ft.

19.72

Cliff, 100 ft. high.

21.58

Spur, slopes S. Desc. 45 ft. to

29.23

Ravine, course S. Asc. 70 ft. to

33.21

Spur, slopes S. Desc. 140 ft.

Subdivision of Fractional T. 12 N., R. 19 W.

9.

Chains.

40.03

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S11

$\frac{1}{4}$

S14

1916

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

58.90

Asc. 20 ft. to

66.30

Desc. 75 ft. to

71.15

Thence over rolling land.

80.06

The cor. of secs. 10, 11, 14 and fracl. sec. 15.

Land, broken and rolling.

Soil, 4th rate.

No timber.

Undergrowth, cactus, greasewood, and palo verde.

N.0° 1' W., bet. secs. 10 and 11.

Over mountainous land, through scattering undergrowth.

Asc. 50 ft. to

8.28

Spur, slopes W. Desc. 55 ft. to

21.20

Center of wash, 1 ch. wide, 10 ft. deep, course W. Asc. 130 ft. to

37.15

Desc. 35 ft. to

40.00

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 $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$

S10 | S11

1916

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

Asc. 15 ft. to

42.80

Desc. 25 ft. to

47.80

Asc. 40 ft. to

51.50

Desc. 45 ft. to

61.18

Asc. 245 ft. to

68.85

Spur, slopes W. Desc. 115 ft. to

76.71

Wash, 50 lks. wide, 2 ft. deep, course W. Asc. S. slope 20 ft. to

80.00

Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 10 and 11, and fracl. secs. 2 and 3, marked on brass cap

T12N R19W

S 3 | S 2

S10 | S11

1916

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

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

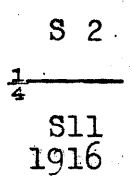
Undergrowth, palo verde, greasewood, and sagebrush.

S.89° 58' E., on a random line, bet. sec. 11 and fracl. sec. 2.

10. Subdivision of Fractional T. 12 N., R. 19 W.

Chains.

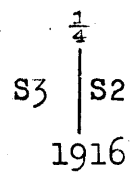
40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect N. and S. line, 26 lks. S. of the cor. of secs. 11 and 12 and frac. secs. 1 and 2.
 Thence
 S. $89^{\circ} 51'$ W., on a true line, bet. sec. 11 and frac. sec. 2.
 Over rolling land, through scattering undergrowth.
 24.10 Center of wash, 2 chs. wide, 5 ft. deep, course SE. Road in wash, brs. NW. and SE. Asc. 100 ft. to
 32.63 Spur, slopes N. 30° W. Desc. 75 ft. to
 37.49 Wash, 50 lks. wide, 2 ft. deep, course S. Asc. 350 ft.
 40.06 Set an iron post, $\frac{3}{4}$ ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, $\frac{3}{4}$ 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, N. of cor.

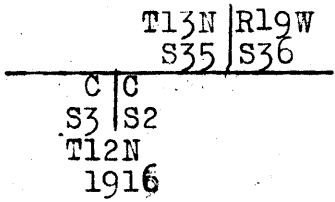
59.31 Divide, brs. NW. and SE. Desc. 420 ft. to
 80.12 The cor. of secs. 10 and 11, and frac. secs. 2 and 3.
 Land, rolling and mountainous.
 Soil, 4th rate.
 No timber.
 Undergrowth, palo verde, greasewood, sagebrush and cactus.

N. $0^{\circ} 1'$ W., on a true line, bet. frac. secs. 2 and 3.
 Over mountainous land, through scattering undergrowth.
 Asc. 315 ft. to
 15.27 Ridge, brs. E. and W. Desc. 200 ft. to
 24.69 Thence over rolling land.
 40.00 Set an iron post, $\frac{3}{4}$ ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, $\frac{3}{4}$ ft. base, 15 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.

60.25 Intersect Third Standard Parallel North, 5.82 chs. E. of the standard $\frac{1}{4}$ sec. cor. of sec. 35, T. 13 N., R. 19 W., which is a malpais stone, 5 X 4 X 2 ins. above ground, marked and witnessed as described by the Surveyor-General. (Established under Group No. 42.)
 At the point of intersection, set an iron post, $\frac{3}{4}$ ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of frac. secs. 2 and 3, marked on brass cap



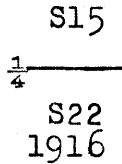
and raise a mound of stone, 3 ft. base, 3 ft. high, S. of cor.

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

Subdivision of Fractional T. 12 N., R. 19 W.

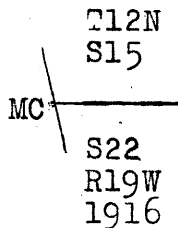
chains.

40.00 From the cor. of sec. 14, and fracl. secs. 15, 22 & 23.
 West on a true line, bet. fracl. secs. 15 and 22.
 Over level land, through scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
 ground, 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.

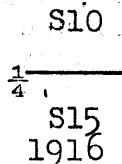
45.00 Asc. 45 ft. to
 55.00 Spur, slopes S. 89° W. Desc. 45 ft. to
 59.00 Enter dense undergrowth, brs. N. and S.
 60.17 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, on the left bank of the Colorado River, 10 ft.
 above water, for meander cor. of fracl. secs. 15 and
 22, marked on brass cap



dig a pit, 36 X 36 X 12 ins., 8 ft. E. of post; and
 raise a mound of earth, 4 ft. base, 2 ft. high, W. of
 cor.

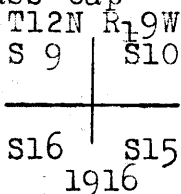
Land, level.
 Soil, 2nd rate.
 No timber.
 Undergrowth, greasewood, palo verde and cactus.

40.00 From the cor. of secs. 10, 11, 14 and fracl. sec. 15.
 West on a true line, bet. sec. 10 and fracl. sec. 15.
 Over broken land, through scattering undergrowth.
 Desc. gradually to
 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
 ground, 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.

44.78 Asc. 80 ft. to
 55.02 Spur, slopes S. Desc. 55 ft. to
 64.85 Wash, course S. Asc. 80 ft. to
 80.00 Desc. 80 ft. to
 Set an iron post, 3 ft. long, 2 ins. diam., in a mound
 of stone, for cor. of sec. 10 and fracl. secs. 9, 15
 and 16, marked on brass cap



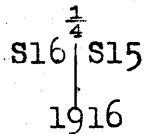
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.

12. Subdivision of Fractional T. 12 N., R. 19 W.

Chains.

Land, broken.
Soil, 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cactus.

4.20 S.0° 2' E., on a true line, bet. fracl. secs. 15 and 16.
40.00 Over broken land, through scattering undergrowth.
Asc. 40 ft. to
Top of cliff, 30 ft. high, Desc. 130 ft.
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



42.00 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
63.38 W. of cor.
Foot of desc.; thence over level land.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, on the left bank of the Colorado River, 12 ft. above water, for meander cor. of fracl. secs. 15 and 16, marked on brass cap



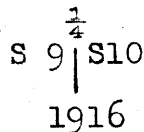
M C
1916

dig a pit, 36 X 36 X 12 ins., 8 ft. N. of post; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

Land, level and broken
Soil, 4th rate.
No timber.

Undergrowth, palo verde, greasewood, cactus and cat claw.

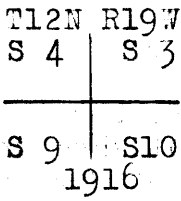
1.00 From the cor. of sec. 10, and fracl. secs. 9, 15 & 16,
20.00 N.0° 2' W., bet. sec. 10 and fracl. sec. 9.
34.00 Over rolling and mountainous land, through scattering undergrowth.
40.00 Desc. to
Wash, course SW. Asc. 140 ft. to
Top of ascent; slopes E. Desc. to
Same wash, course S.10° E. Asc. 405 ft.
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



61.48 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
80.00 W. of cor.
Spur, slopes SE. Desc. 235 ft. to
Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, in a mound of stone, for cor. of sec. 10 and fracl. secs. 9, 15 and 16, marked on brass cap

Subdivision of Fractional T. 12 N., R. 19 W. 13.

Chains.



and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
Land, rolling and mountainous.
Soil, 4th rate.
No timber.
Undergrowth, palo verde, greasewood and cactus.

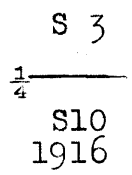
40.00
80.08

East on a random line, bet. sec. 10 and fracl. sec. 3.
Set temp. ¼ sec. cor.
Intersect N. and S. line, 7 lks. N. of the cor. of secs.
10 and 11, and fracl. secs. 2 and 3.

Thence
N. 89° 57' W., on a true line, bet. sec. 10 and fracl. sec. 3.
Over mountainous land, through scattering undergrowth.

5.00
22.08
40.04

Desc. 25 ft. to
Asc. 280 ft. to
Spur, slopes SE. Desc. 315 ft. to
Draw, course S.
Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for ¼ sec. cor., marked on brass cap

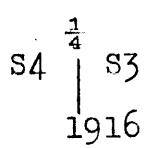


46.98
72.48
80.08

and raise a mound of stone, 3 ft. base, 2½ ft. high,
N. of cor.
Asc. 65 ft. to
Spur, slopes S. Desc. 195 ft. to
Center of wash, 1 ch. wide, 5 ft. deep, course S. Asc. 40
ft. to
The cor. of sec. 10 and fracl. secs. 3, 4, and 9.
Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, palo verde, greasewood and sagebrush.
No grass.

4.30
10.55
14.70
22.26
31.51
40 00

N. 0° 2' W., on a true line, bet. fracl. secs. 3 and 4.
Over mountainous land, through scattering undergrowth.
Desc. 55 ft. to
Wash, course SE. Asc. 95 ft. to
Desc. 65 ft. to
Asc. 65 ft. to
Short spur, slopes E. Desc. 60 ft. to
Wash, course SE. Asc. 265 ft.
Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for ¼ sec. cor., marked on brass cap



54.67

and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
Rocky spur, slopes N. 70° W. Desc. 130 ft. to

14. Subdivision of Fractional T. 12 N., R. 19 W.

Chains.

59.94

Intersect Third Standard Parallel North, 5.85 chs. E. of the standard $\frac{1}{4}$ sec. cor. of sec. 34, T. 13 N., R. 19 W., which is a malpais stone, 4 X 6 X 6 ins. above ground, marked and witnessed as described by the Surveyor-General. (Established under Group No. 42.)
At the point of intersection, set an iron post, 3 ft. long 2 ins. diam., in a mound of stone, for closing cor. of fracl. secs. 3 and 4, marked on brass cap

T13N R19W
S34

— C C —
S 4 | S 3
T12N R19W
1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.
Land, mountainous.
Soil, 4th rate.
No timber.
Undergrowth, palo verde, greasewood and cactus.

1.00
5.00
10.00
18.20
24.90
29.25
36.80
40.00

From the cor. of sec. 10 & fracl. secs. 9, 15 and 16, West on a true line, bet. fracl. secs. 9 and 16. Over mountainous land, through scattering undergrowth.

Desc. to
Wash, course SW. Asc. to
Desc. 30 ft. to
Asc. 75 ft. to
Desc. 80 ft. to
Asc. 35 ft. to
Desc. 55 ft. to
Asc. 40 ft. to
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

S 9

— # —
S16
1916

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

51.30
65.54

Desc. 95 ft. to
Enter level land and dense undergrowth, brs. NW. and SE.
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, on the left bank of the Colorado River, 12 ft. above water, for meander cor. of fracl. secs. 9 and 16, marked on brass cap

T12N
S9

MC ———
S16
R19W
1916

dig a pit, 36 X 36 X 12 ins., 8 ft. E. of post; and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.

Land, level and mountainous.
Soil, 1st 50.00chs. 4th rate; last 15.54 chs. 1st rate.
No timber.
Undergrowth, palo verde, greasewood, cactus, cat claw, and arrow-weed.

Subdivision of Fractional T. 12 N., R. 19 W.

15.

Chains.

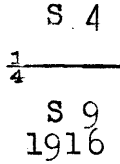
From the cor. of sec. 10 and fracl. secs. 3, 4, and 9,
West on a true line, bet. fracl. secs. 4 and 9.
Over mountainous land, through scattering undergrowth.
Asc. 215 ft. to

20.50 Rocky spur, slopes SE. Desc. 105 ft. to

29.51 Wash, course S. Asc. 85 ft. to

37.56 Spur, slopes SW. Desc. 75 ft. to

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



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

Asc. 90 ft. to

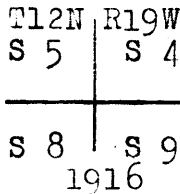
46.15 Desc. 25 ft. to

50.86 Wash, course S. Asc. 115 ft. to

63.50 Desc. 120 ft. to

77.80 Asc. 30 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
stone, for cor. of fracl. secs. 4, 5, 8 and 9, 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, 4th rate.

No timber.

Undergrowth, greasewood, palo verde and cactus.

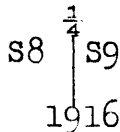
S.0° 2' E., on a true line, bet. fracl. secs. 8 and 9.
Over broken land, through scattering undergrowth.

Asc. 20 ft. to

3.38 Spur, slopes W. Desc. 405 ft. to

35.66 Wash, course W. Trail, brs. E. and W. Asc. 80 ft.

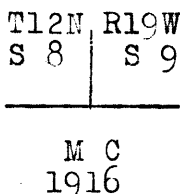
40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

53.03 Spur, slopes NW. Desc. 95 ft. to

58.74 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, on the left bank of the Colorado River, 10 ft.
above water, for meander cor. of fracl. secs. 8 and 9,
marked on brass cap



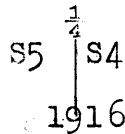
dig a pit, 36 x 36 x 12 ins., 8 ft. N. of post; and

16. Subdivision of Fractional T. 12 N., R. 19 W.

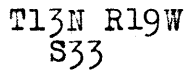
Chains.

raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.
 Land, broken.
 Soil, 4th rate; rocky;
 No timber.
 Undergrowth, palo verde, greasewood, and cactus.

N.0° 2'W., on a true line, bet. fracl. secs. 4 and 5.
 Over mountainous land, through scattering undergrowth.
 Desc. 150 ft. to
 11.56 Wash, course W. Asc. 125 ft. to
 18.25 Desc. 70 ft. to
 19.95 Asc. 205 ft. to
 28.20 Spur, slopes W. Desc. 225 ft. to
 39.00 Wash, course W. Asc. 180 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

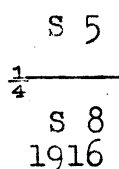


and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Continue ascent to
 56.52 Spur, slopes W. Desc. to
 59.89 Intersect Third Standard Parallel North, 5.77 chs. E. of
 the standard $\frac{1}{4}$ sec. cor. to sec. 33, which is a lava
 stone, 4 X 10 X 3 ins. above ground, marked and witness-
 ed as described by the Surveyor-General. (Established under Group
 No. 42.)
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., 24 ins. in the ground, for closing cor.
 of fracl. secs. 4 and 5, marked on brass cap



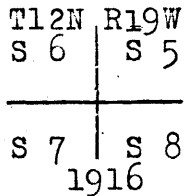
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 S. of cor.
 Land, mountainous.
 Soil, 4th rate.
 No timber.
 Undergrowth, palo verde, greasewood and cactus.

From the cor. of fracl. secs. 4, 5, 8 and 9,
 West on a true line, bet. fracl. secs. 5 and 8.
 Over mountainous land, through scattering undergrowth.
 Desc. 55 ft. to
 4.90 Asc. 50 ft. to
 9.10 Desc. 310 ft. to
 25.90 Wash, course S. Asc. 115 ft. to
 37.57 Spur, slopes S. Desc. 220 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



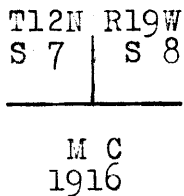
Chains.

53.26 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor.
 56.53 Wash, course S. Asc. 50 ft. to
 64.30 Spur, slopes S. Desc. 95 ft. to
 80.00 Enter level bottom land.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of fract. secs. 5, 6, 7 and 8, marked
 on brass cap



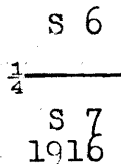
and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.
 Land, mountainous and level.
 Soil, 4th rate.
 No timber.
 Undergrowth, palo verde, greasewood, cat claw and cactus.

7.60 S.0° 3' E., on a true line, bet. fract. secs. 7 and 8.
 Over level bottom land, through dense undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, on the left bank of the Colorado River, 8 ft.
 above water, for meander cor. of fract. secs. 7 and 8,
 marked on brass cap



dig a pit, 36 X 36 X 12 ins., 8 ft. N. of post; and
 raise a mound of earth, 4 ft. base, 2 ft. high, N. of
 cor.
 Land, level.
 Soil, 1st rate.
 No timber.
 Undergrowth, greasewood, cactus, palo verde, arrow-weed
 and cat claw.

9.80 From the cor. of fract. secs. 5, 6, 7 and 8,
 17.53 West on a true line, bet. fract. secs. 6 and 7.
 19.90 Over level bottom land, through dense undergrowth.
 21.95 Leave level land, asc. 105 ft. to
 34.70 Spur, slopes S. Desc. 75 ft. to
 40.00 Asc. 55 ft. to
 Desc. 105 ft. to
 Enter bottom land; Trail brs. NE. and SW.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap

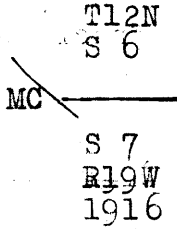


dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft
 dist.; and raise a mound of earth, 3½ ft. base, 1½ ft.
 high, N. of cor.

18. Subdivision of Fractional T. 12 N., R. 19 W.

Chains.
60.70

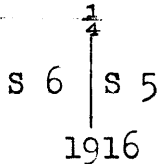
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, on the left bank of the Colorado River, 10 ft. above water, for meander cor. of fracl. secs. 6 and 7, marked on brass cap



dig a pit, 36 X 36 X 12 ins., 8 ft. E. of post; and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.
Land, level and rolling.
Soil, 1st rate.
No timber.
Undergrowth, palo verde, greasewood, cactus and arrow-weed.

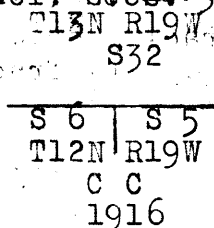
8.50
26.00
32.22
36.60
40.00

N.0° 3' W., on a true line, bet. fracl. secs. 5 and 6. Over mountainous land, through scattering undergrowth. Asc. 125 ft. to Thence along E. slope to Asc. 105 ft. to Spur, slopes S.20° W. Comes from S.70° E. Desc. 20 ft. to Ravine, course S. 70° W. Asc. 80 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



60.17

Continue ascent to Intersect Third Standard Parallel North, 5.49 chs. E. of the standard $\frac{1}{4}$ sec. cor. of sec. 32, T. 13 N., R. 19 W., which is an iron post, properly set, marked and witnessed as described by the Surveyor-General. Established under Group 42. At the point of intersection, set an iron post, 3 ft. long, 1 in. diam., 24 ins. in ground, for closing cor. of fracl. secs. 5 and 6, marked on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.
Land, mountainous. Soil, 4th rate. No timber.
Undergrowth, greasewood, cactus and palo verde.

Meanders of the left bank of the Colorado River, BOOK 3022
within fracl. T. 12 N., R. 19 W. 19.

I commence at the meander cor. of fracl. secs. 1 and 6,
on the W. bdy. of the Tp., which is an iron post,
described in Book "A".
Thence with meanders in fracl. sec. 6, (down stream).
Over level bottom land, through dense undergrowth.
S. 26 $\frac{1}{2}$ ° E. 7.00 chs.
S. 64° E. 15.60 " To the meander cor. of fracl.
secs. 6 and 7.
Land, level.
Soil, 1st rate.
No timber.
Undergrowth, arrow-weed, mesquite and cat claw.

Thence in fracl. sec. 7, (down stream).
Over level bottom land, through dense undergrowth.
S. 68 $\frac{1}{2}$ ° E. 22.50 chs.
S. 72 $\frac{3}{4}$ ° E. 15.40 "
N. 78 $\frac{1}{4}$ ° E. 25.55 " To the meander cor. of frac. secs.
7 and 8.
Land, level.
Soil, 1st rate.
No timber.
Undergrowth, arrow-weed, mesquite and cat claw.

Thence in fracl. sec. 8, (down stream).
Over level bottom land, through dense undergrowth.
N. 81° E. 22.50 chs. Thence over rolling land.
S. 68 $\frac{3}{4}$ ° E. 13.20 "
S. 52° E. 38.80 " At 32.60 chs. on this course,
wash from S. 80° E. and wash
from N. 10° E.
S. 26 $\frac{1}{2}$ ° E. 18.30 "
S. 37 $\frac{1}{2}$ ° E. 5.20 "
S. 33 $\frac{3}{4}$ ° E. 6.50 " To the meander cor. of fracl.
secs. 8 and 9.
Land, level and rolling.
Soil, 1st and 4th rate.
No timber.
Undergrowth, arrow-weed, mesquite, cat claw, greasewood,
paloverde and cactus.

Thence in fracl. sec. 9, (down stream).
Over level bottom land, through dense undergrowth.
S. 35° E. 18.20 chs.
S. 33° 05' E. 7.50 " To the meander cor. of fracl.
secs. 9 and 16.
Land, level.
Soil, 1st rate.
No timber.
Undergrowth, arrow-weed, mesquite, and cat claw.

Thence in fracl. sec. 16, (down stream).
Over level bottom land, through dense undergrowth.
S. 31 $\frac{3}{4}$ ° E. 22.20 chs.
S. 30° E. 32.30 "
S. 31 $\frac{1}{4}$ ° E. 7.40 chs.
S. 34 $\frac{1}{2}$ ° E. 5.20 "

Meanders of left bank of Colorado River,

20.

within Fractional T. 12 N., R. 19W.

Chains.

S. $87\frac{1}{2}^{\circ}$ E. 8.20 chs.
 S. $83\frac{1}{4}^{\circ}$ E. 3.10 "
 S. $84\frac{1}{4}^{\circ}$ E. 5.20 "
 N. $88\frac{1}{4}^{\circ}$ E. 3.40 "
 S. $61\frac{3}{4}^{\circ}$ E. 4.30 "
 S. 73° E. 2.10 "
 S. $75\frac{1}{2}^{\circ}$ E. 1.80 "
 S. $71\frac{1}{2}^{\circ}$ E. 1.80 "
 S. 60° E. 2.20 " To the meander cor. of fracl. secs. 15 and 16.

Land, level.
 Soil, 1st rate.
 No timber.
 Undergrowth, palo verde, greasewood, arrow-weed, mesquite and cat claw.

Thence in fracl. sec. 15, (down stream).
 Over level bottom land, through dense undergrowth.
 S. $78\frac{1}{2}^{\circ}$ E. 9.00 chs. Leave level land, thence over rolling land.
 S. 35° E. 14.50 "
 S. $41^{\circ}40'$ E. 3.84 " To the meander cor. of fracl. secs. 15 and 22.

Land, level and rolling.
 Soil, 1st and 4th rate.
 No timber.
 Undergrowth, greasewood, palo verde, cactus, arrow-weed, mesquite and cat claw.

Thence in fracl. sec. 22, (down stream).
 Over level land, through dense undergrowth.
 S. $19\frac{3}{4}^{\circ}$ E. 25.10 chs. At 10 chs. on this course, mouth of wash from E.
 S. 21° E. 10.40 "
 S. 24° E. 12.10 "
 S. $20\frac{1}{2}^{\circ}$ E. 3.40 "
 S. $23\frac{3}{4}^{\circ}$ E. 10.30 "
 S. 32° E. 1.40 "
 S. 42° E. 2.10 "
 S. $67\frac{1}{2}^{\circ}$ E. 6.30 "
 S. $82\frac{3}{4}^{\circ}$ E. 28.20 "
 N. 65° E. 2.03 " To the meander cor. of fracl. secs. 22 and 23.

Land, level.
 Soil, 1st rate.
 No timber.
 Undergrowth, palo verde, greasewood, cactus, arrow-weed, mesquite and cat claw.

Thence in fracl. sec. 23, (down stream).
 Over level land, through scattering undergrowth.
 N. $85\frac{1}{4}^{\circ}$ E. 13.20 chs. Leave bottom land, brs. N. 70° W. and S. 70° E. Thence over rolling land.

S. $80\frac{1}{2}^{\circ}$ E. 11.40 "
 S. $86\frac{1}{4}^{\circ}$ E. 15.40 "
 S. 74° E. 5.20 "
 N. $89\frac{3}{4}^{\circ}$ E. 5.30 "
 N. $87\frac{1}{4}^{\circ}$ E. 3.60 "
 N. $86\frac{3}{4}^{\circ}$ E. 7.40 "
 N. $89\frac{1}{4}^{\circ}$ E. 4.50 "
 S. $88\frac{1}{2}^{\circ}$ E. 2.20 "

Meanders of Left Bank of the Colorado River
within, Fractional T. 12 N., R. 19 W.

21.

Meanders of the left bank of the Colorado River, down stream.

S. 80 $\frac{1}{4}$ ° E.	4.90 chs.	
N. 79 $\frac{1}{2}$ ° E.	3.90 "	
N. 68° 30' E.	4.10 "	To the meander cor. of fract. secs. 23 and 24.

Land, level and rolling.
Soil, 1st and 4th rate.
No timber.
Undergrowth, greasewood, palo verde, cactus, arrow-weed, mesquite and cat claw.

Thence in fract. sec. 24, (down stream).
Over level bottom land, through dense undergrowth.
S. 67 $\frac{1}{4}$ ° E. 10.40 chs. Leave bottom land; ascend. 55 ft.
S. 8° E. 9.84 " To the meander cor. of fract. secs. 24 and 25.

Land, level and mountainous.
Soil, 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cactus.

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

I begin at the meander cor. of fract. secs. 25 and 30, on the E. bdy. of the Tp., which is an iron post, described in Book "A."

Thence with meanders in fract. sec. 25, (up stream).
Over level land, through scattering timber and dense undergrowth.

N. 63 $\frac{3}{4}$ ° W.	13.30 chs.	
N. 63 $\frac{1}{4}$ ° W.	7.20 "	
N. 62 $\frac{1}{2}$ ° W.	10.60 "	
N. 66° W.	4.50 "	
N. 63 $\frac{1}{2}$ ° W.	7.00 "	
N. 62 $\frac{3}{4}$ ° W.	11.70 "	
N. 74° W.	12.00 "	
N. 48° W.	3.30 "	
N. 40° 22' W.	10.11 "	To the meander cor. of fract. secs. 24 and 25.

Land, level.
Soil, sandy; 3rd rate.
Timber, scattering cottonwood.
Undergrowth, mesquite, and cat claw.

GENERAL DESCRIPTION.

This fractional township is bounded on the W. and S. by the Colorado River. The north east part is low, broken, gravel hills, while through the center are very rough malpais mountains. Between the hills and the Colorado River, there is a strip of level land, varying from 6 to 20 chs. in width. The soil of the hills is light, sandy clay loam, very rocky, 4th rate. The soil of the level land is of darker sand loam, about 2 ft. deep, with a gravelly subsoil. The surface is covered with a light layer of alkali. A very dense growth of mesquite grows on the level land. Along the bank of the Colorado, are a few scattering cottonwoods. The vegetation of the township is mesquite, ironwood, palo verde, ocotillo and cactus. There is no grass. The only water in the township is that of the Colorado River, very muddy and alkaline.

Ruby Ralston and Joe Mager are taking up about 25 acres of the level mesquite land in sec. 25. They have made no improvements at present.

There are no surface indications of mineral in this township.

Meanders of the Left Bank of the Colorado River,

within Fractional T. 12 N., R. 20 W.

23.

Chains.

Surveys hereinafter described were executed by John Gonin, U. S. Transitman, on date shown on page 1 hereof, using Young and Sons' light mountain transit No. 8492, with Smith solar attachment, described with certificate of approval and tests in Book "B".

I commence at the standard meander cor. of fracl. sec. 31, T. 13 N., R. 19 W., which is an iron post, properly set, marked and witnessed as described by the Surveyor-General. (Established under current Group No. 42.)

Thence with meanders in fracl. sec. 1. (Down stream.) Over rolling land, through dense undergrowth.

S. 5½° W. 21.70 chs. At 1.10 chs. on this course, mouth of wash from N.60° E.

S. 12½° E. 13.90 " At 2.00 chs. on this course, enter level bottom land, brs. NW. and SE.

S. 23¾° E. 13.00 " To the meander cor. of fracl. secs. 1 and 6, described in Book "A".

Land, level and rolling.

Soil, 4th rate on rolling land; 1st rate on bottom land.

No timber.

Undergrowth, greasewood, palo verde and cactus.

GENERAL DESCRIPTION

This fractional township, comprising the north east corner of sec. 1, is bounded on the south and west by the Colorado River. The northern part, along the Third Standard Parallel North, is mountainous land; the remainder consists largely of level bottom land.

There is no timber. Undergrowth consists of greasewood, palo verde, mesquite, cat claw, arrow-weed and cactus.

The soil on the bottom land is sandy, 1st rate; on the rolling and mountainous land, it is 4th rate.

There are no settlers.

342

24

28

BOOK 3022

FOR CERTIFICATE OF UNITED STATES SURVEYOR
See Book "B"

I, _____, U. S. Surveyor, hereby certify upon honor 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 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.

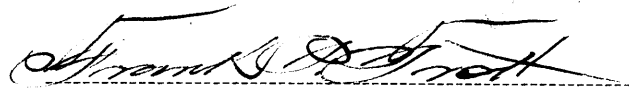
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, MAY 17 1918, 19____

The foregoing field notes of the survey of the Subdivision lines of
FRACL. TOWNSHIP 12 NORTH, RANGE 19 WEST, and
Meanders of the Left Bank of the Colorado River, within
FRACL. TOWNSHIP 12 NORTH, RANGE 19 WEST, and
FRACL. TOWNSHIP 12 NORTH, RANGE 20 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 ~~his~~ special instructions dated Feb. 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.



U. S. Surveyor General.

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

U. S. Surveyor General.