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BOOK 3139

4-679

JUN 24 1917

Book "G"

JAN 25 1918

(Subdivisions)

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES,

and the

MEANDERS OF THE LEFT BANK OF THE COLORADO RIVER, WITHIN

TOWNSHIP 21 NORTH, RANGE 21 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Theo. O. Johnston, U.S. Surveyor,

and

Edward O. Lyman, U. S. Transitman,

~~In the capacity of U.S. Surveyor~~, under instructions dated January 6,, 1915,

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

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

Office, January 26,, 1915.

Survey commenced March 29,, 1915.

Survey completed April 9,, 1915.

Executed under Assignment
Instructions dated Jan. 31, 1915.

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(1A)

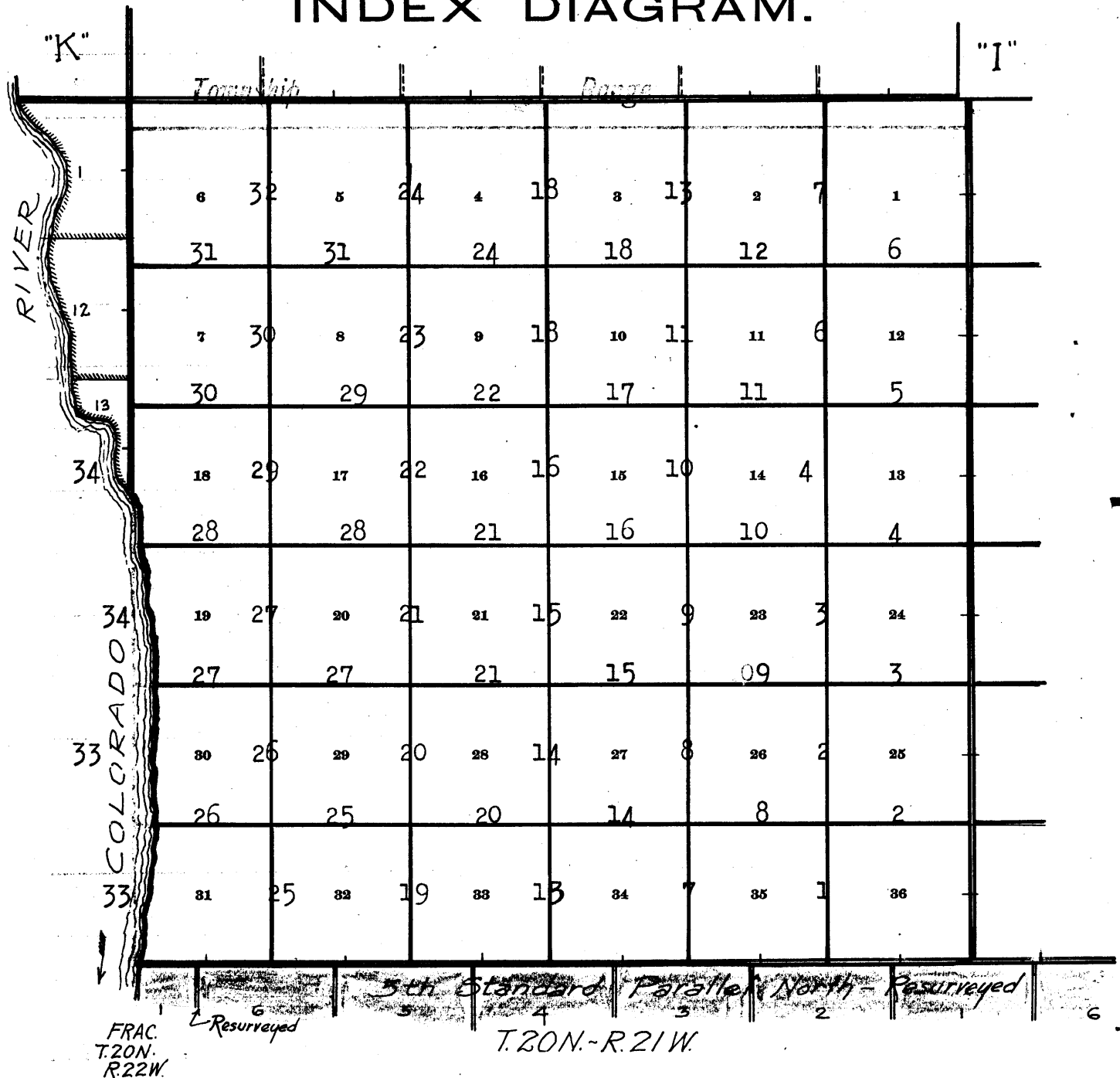
Book No. 3139

BOOK 3139

Book "G"
(Subdivisions)
Group 44

T.21N.-R.21W.

INDEX DIAGRAM.



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

Chains

Survey commenced Mar. 29, 1915, and executed by Theo. O. Johnston, U. S. Surveyor, using a Young and Sons' light mountain transit No. 8493, and Edward O. Lyman, U. S. Transitman, using a Young and Sons' light mountain transit No. 8490. Both instruments are described, with record of approval by the assistant supervisor of surveys, and field tests, in Book "A".

All measurements made with steel tapes and clinometers.

With the exception of meander lines, which were surveyed by Theo. O. Johnston, using solar observations for obtaining a meridian, (a record of the test of solar apparatus of his instrument following herewith), all lines were run by means of deflections from transit lines projected by carefully measured angles, from a meridian determined by observation on Polaris at western elongation, a record of which follows:

The initials "T. O. J." and "E. O. L." are inserted in the following notes at the beginning and ending of those portions of the notes describing the surveys executed by Theo. O. Johnston and Edward O. Lyman, respectively.

T. O. J.
E. O. L.

T. O. J.
Mar. 29, 1915.

I examine the adjustment of my instrument and correct the level and collimation errors. Then, at my camp, near the SW. cor. of sec. 23, in latitude 35°11' N., longitude 114°30' W., I set off 35°11' on the lat. arc; and 3°17' N. on the decl. arc; and at 4h 30m p.m., l.m.t., determine with the solar a meridian, and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of my station.

At 6h 59.2m p.m., l.m.t., I observe Polaris at western elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined, on a peg firmly set in the ground, 5 chs. N. of my station.

Mar. 29, 1915.

Mar. 30, 1915.

At 7h 00m a.m., l.m.t., I turn off the azimuth of Polaris 1°23.8' to the east; the meridian thus determined coincides with that established by the solar observation.

At 7h 30m a.m., l.m.t., I set off 35°11' on the lat. arc; and 3°32' N. on the decl. arc; and determine a meridian with the solar, which agrees with the results obtained by the afternoon solar and the observation on Polaris. Therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 7h 40m a.m., is N.15°15' W.; the angle thus determined gives the mag. decl. 15°15' E.

T. O. J.

E. O. L.

I begin at the reestablished standard cor. of secs. 35 and 36, on S. bdy. of Tp. (5th Standard Parallel N.) described in Book "B." Thence I run,

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- N.0°01'W., bet. secs 35 and 36.
Asc. S. slope, through scattering undergrowth.
7.09 Wash, 5 lks. wide, course W.
12.30 Summit of ascent on spur extending S.70°W.
28.37 Wash, 75 lks. wide, course W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
S 35 in W., and
S 36 in E. half; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
59.20 Summit of ascent, on spur extending SW.
71.40 Wash, 20 lks. wide, course SW.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap, marked
T 21 N S 26 in NW.,
R 21 W S 25 in NE.,
S 36 in SE., and
S 35 in SW. quadrant; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, heavily rolling spurs, with general SW. slope.
Soil, gravelly; 4th rate.
No timber.
Undergrowth, greasewood and cactus.

E. O. L.

- T. O. J.
East, on a random line, bet. secs. 25 and 36.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.00 Intersect E. Bdy. of Tp. , 4 lks. N. of the cor. of secs. 25, 30, 31 and 36, described in Book "A".
Thence I run
N.89°58'W., on a true line, bet. secs. 25 and 36.
Over rolling mountainous land, through scattering undergrowth.
20.45 Draw, 4.50 chs. wide, 15 ft. deep, course SW.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 25 in N. half,
S 36 in S. half, and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
58.50 Draw, 2.00 chs. wide, 10 ft. deep, course S.22 $\frac{1}{2}$ °W.
80.00 The cor. of secs. 25, 26, 35 and 36.
Land, rolling mountainous.
Soil, rocky and gravelly; 4th rate.
No timber.
Undergrowth, greasewood.

T. O. J.

- E. O. L.
N.0°01'W., bet. secs. 25 and 26,
over heavily rolling spurs, with general SW. slope,
through scattering undergrowth.
2.80 Small spur extends S.70°W.
3.70 Enter broad wash, course S.70°W.
10.54 Leave wash, bank bears NE. and SW.
11.18 Road from Frisco to Fort Mohave bears NE. and SW.
21.20 Spur extends SW.
27.85 Wash, 60 lks. wide, course N.70°W.

chains

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground and 16 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
S 25 in E., and
S 26 in W. half; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. in the ground.

47.65 Wash, 25 lks. wide, course S.65°W.
54.00 Spur extends W.
59.45 Wash, 20 lks. wide, course S.70°W.
76.80 Wash, 20 lks. wide, course S.70°W.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with brass cap, marked
T 21 N S 23 in NW.,
R 21 W S 24 in NE.,
S 25 in SE. and
S 26 in SW. quadrant; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, roughly rolling spurs, with general SW. slope.
Soil, sandy and gravelly; 4th rate.
No timber.
Undergrowth, greasewood and cactus.

E. O. L.

T. O. J.
East, on a random line, bet. secs. 24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.04 Intersect E. bdy. of Tp. 7 lks. N. of the cor. of secs. 19, 24, 25 and 30, described in Book "A".
Thence I run
N.89°57'W., on a true line, bet. secs. 24 and 25, over rolling mountainous land, through scattering undergrowth.

8.80 Draw, 5.00 chs. wide, course SW.
19.90 Draw, 4.00 chs. wide, course SW.
25.15 Wash, 2.00 chs. wide, 5 ft. deep, course S.22 $\frac{1}{2}$ °W.
40.02 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 24 in N., and
S 25 in S. half; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

42.70 Draw, 2.00 chs. wide, 20 ft. deep, course N.
46.50 Same draw, 7.00 chs. wide, 50 ft. deep, course SW.
59.95 Bend in same draw, course SW. from SE.
80.04 The cor. of secs. 23, 24, 25 and 26.
Land, rolling mountainous.
Soil, rocky and gravelly; 4th rate.
No timber.
Undergrowth, greasewood.

T. O. J.

E. O. L.
N.0°01'W., bet. secs. 23 and 24, over heavily rolling spurs, with general SW. slope, through scattering undergrowth.

3.35 Wash, 20 lks. wide, course W.
11.65 Spur extends S.70°W.
15.63 Enter broad wash, course W.

Chains

25.34	Leave wash.
27.70	Spur extends W.
34.85	Wash, 20 lks. wide, course S.80°W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground and 16 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ in N., S 23 in W., and S 24 in E. half; and 1915 in S. rim; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set corner farther in the ground. set cor. farther
45.00	Spur extends west and Descend to
50.50	Ascend to summit. Descend to
55.70	Summit of ascent, on W. slope of rocky hill.
64.85	Desc. N. slope to
68.25	Center of wash, 125 lks. wide, course W. Asc. SW. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground, (to bed rock), and 22 ins. in a mound of stone, for cor. of secs. 13, 14, 23 and 24, with brass cap, marked T 21 N S 14 in NW., R 21 W S 13 in NE., S 24 in SE., and S 23 in SW. quadrant; and 1915 in S. rim; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground. Land, heavily rolling. Soil, decomposed granite and malpais, with exposed rock; 4th rate. No timber. Undergrowth, greasewood.

40.00	East, on a random line, bet. secs. 13 and 24.
80.00	Set temp. $\frac{1}{4}$ sec. cor. Intersect E. bdy. of Tp. 4 lks. S. of the cor. of secs. 13, 18, 19 and 24, described in Book "A". Thence I run S.89°58'W., on a true line, bet. secs. 13 and 24. Line runs down broad wash; scattering undergrowth.
4.13	Road to Frisco bears N.70°W. and S.70°E.
30.80	Leave wash; left bank bears NW. and SE.; asc. NE. slope.
33.40	Spur extends NW. Desc. W. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 13 in N. half, S 24 in S. half, and 1915 in S. rim; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
80.00	The cor. of secs. 13, 14, 23 and 24. Land, roughly rolling. Soil, gravelly and stony; 4th rate. No timber. Undergrowth, greasewood, cactus and catclaw.

	N.0°01'W., bet. secs. 13 and 14. Asc. over exposed country rock; scattering undergrowth.
1.50	Ridge bears E. and W. Desc. N. slope.
7.54	Enter wash, course N.70°W.
8.07	Dim wagon road in wash, bears N.70°W. and S.70°E.
10.55	Leave wash, bank bears E. and W.
13.00	Spur extends W.

Chains

- 17.00 Wash, 10 lks. wide, course S.70°W.
 25.00 Spur extends S.70°W. Desc. N. slope.
 35.70 Wash, 5 lks. wide, course W.
 40.00 In saddle of low ridge, which bears E. and W.,
 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground and 14 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 13 in E., and
 S 14 in W. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. farther
 in the ground.
 Desc. N. slope.
- 41.00 Wash, 10 lks. wide, course W.
 50.20 Ridge bears E. and W.
 61.45 Wash, 100 lks. wide, course N.60°W. Road, which bears
 N.60°W. and S.60°E., in center.
 From wash, asc. SW. slope over spurs.
 78.70 Low ridge bears E. and W. Desc. N. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 11, 12, 13 and 14, with brass
 cap, marked
 T 21 N S 11 in NW.,
 R 21 W S 12 in NE.,
 S 13 in SE., and
 S 14 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, heavily rolling.
 Soil, sandy, gravelly and stony; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.
-
- N. 80° East., on a random line, bet. secs. 12 and 13.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect E. bdy. of Tp. 2 lks. N. of the cor. of secs.
 7, 12, 13 and 18, described in Book "A".
 Thence I run
 N.89°59'W., on a true line, bet. secs. 12 and 13.
 Asc. SE. slope of ridge, over mountainous land, through
 scattering undergrowth.
- 8.63 Ridge bears NE. and SW.
 9.23 Spur, 120 ft. above sec. cor., extends N. Desc. NW. slope.
 31.40 Wash, 350 ft. below spur, 15 lks. wide, course S.80°W.
 37.00 Same wash, course N.80°W.
 39.97 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 12 in N. half,
 S 13 in S half., and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 Asc. NE. slope.
- 50.90 Spur, 60 ft. above $\frac{1}{4}$ sec. cor., extends NW. Desc. NW.
 slope.
 62.62 Wash, 100 ft. below spur, 6 lks. wide, course SW.
 67.20 Low divide bears N.70°E. and S.70°W. Asc. along low ridge
 110 ft. to
 79.94 The cor. of secs. 11, 12, 13 and 14.
 Land, mountainous.
 Soil, stony; 4th rate.
 No timber.
 Undergrowth, greasewood, cactus, and catclaw.
- Mar. 30, 1915.

Chains

- Apr. 6, 1915.
N. 0° 01' W., bet. secs. 11 and 12.
- 4.75 Desc. N. slope, through scattering undergrowth, 100 ft. to
10.75 Enter broad wash, course W.
12.95 Leave same.
Shaft bears E., 90 lks. dist.
Thence over gently rolling ground, with general westerly slope.
- 36.55 Wash, 60 lks. wide, course SW.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
S 11 in W., and
S 12 in E. half; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 43.05 Center of corrugated iron house, 10x12 ft., bears W., 22 lks. dist.
- 45.00 Deep shaft, about 4 chs. E.
50.80 Dim road from Sheep Trail mine to River, bears N. 70° E., and S. 79° W.; in wash, course W.
- 55.00 Asc. SW. slope over mountainous land.
62.75 Desc. NW. slope.
70.20 Wash, 20 lks. wide, course W.
75.70 Wash, 20 lks. wide, course S. 30° W.
Asc. SW. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, with brass cap, marked
T 21 N S 2 in NW.,
R 21 W S 1 in NE.,
S 12 in SE., and
S 11 in SW. quadrant; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, rolling and mountainous.
Soil, decomposed granite and solid rock; 4th rate.
No timber.
Undergrowth, cactus and greasewood.
-
- 40.00 East, on a random line, bet. secs. 1 and 12.
Set temp. $\frac{1}{4}$ sec. cor.
80.00 Intersect E. bay. of Tp. 5 1/2 lks. N. of the cor. of secs. 1, 6, 7 and 12, described in Book "A".
Thence I run
N. 89° 58' W., on a true line, bet. secs. 1 and 12.
Desc. NW. slope, over rolling spurs, with general westerly drainage, through scattering undergrowth.
- 10.05 Enter wash, course S. 70° W.
17.65 Leave same; bank bears NE. and SW.
18.65 Spur extends SW.
26.50 Wash, 15 lks. wide, course N. 75° W.
36.20 Wash, 100 lks. wide, course SW.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 1 in N. half,
S 12 in S. half, and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 52.42 Wash, 10 lks. wide, course S. 30° W. Asc. SE. slope.
- 61.20 Ridge bears N. and SW. Desc. NW. slope.
70.35 Wash, 4 lks. wide, course SW. Continue descent, along SW. slope of spur.
80.00 The cor. of secs. 1, 2, 11 and 12.

Chains

Land, undulating spurs, with general westerly slope. Soil, decomposed granite and exposed rock; 4th rate. No timber. Undergrowth, cactus, catclaw and greasewood.

Knowing from the survey of E. bdy. of Tp., that a closing cor. will be necessary on the N. bdy., I run N.0°01'W., on a true line, bet. secs. 1 and 2. Asc. S. slope, over mountainous land, through scattering undergrowth.

.50 Rocky spur extends W.; desc.
 2.77 Enter broad wash, course SW.
 8.27 Leave same and asc. SW. slope.
 13.18 Rocky reef bears N.30°W. and SE.
 22.30 Spur extends S.30°E.
 25.25 Spur, 225 ft. above wash, extends E. Desc. NE. slope 50 ft. to
 26.97 Wash, 5 lks. wide, course E. for 3 chs., and thence S. Asc. 75 ft. to
 35.75 Spur extends NE. Desc. NW. slope, 60 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked
 ¼ in N.,
 S 1 in E., and
 S 2 in W. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

44.15 Wash, 95 ft. below ¼ sec. cor., 10 lks. wide, course W.
 55.11 Wash, 100 lks. wide, course SW. Asc. SE. slope.
 65.25 Spur, 150 ft. above wash, extends SW. Desc. 100 ft. to
 80.20 Wash, 15 lks. wide, course SW.
 86.75 Wash, 10 lks. wide, course SW.
 90.85 Wash, 25 lks. wide, course S.80°W.
 95.34 Intersect N. bdy. of Tp., 3.96 chs. E. of the cor. of secs. 35 and 36, described in Book "A".
 At point of intersection
 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground and 6 ins. in a mound of stone, for closing cor. of secs. 1 and 2, with brass cap, marked
 T 22 N R 21 W S 36 in N. half,
 CC in S. half,
 S 1 R 21 W in SE., and
 S 2 T 21 N in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor. Impracticable to dig pits or set cor. farther in the ground.

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

Apr. 6, 1915.
E. O. L.

T. O. J.
 Mar. 30, 1915.
 From the reestablished standard cor. of secs. 34 and 35, on S. bdy. of Tp. (5th Standard Parallel N.) described in Book "B", I run N.0°01'W., bet. secs. 34 and 35. Asc. S. slope of low ridge, over rolling mountainous land, through scattering undergrowth.

11.00 Top of ridge, 100 ft. above sec. cor., bears E. and W. Desc. N. slope.
 15.50 Wash, 100 lks. wide, course SW.
 24.70 Draw, 7.00 chs. wide, course SW.

Chains

33.30 Wash, 7.00 chs. wide, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 34 in W., and
 S 35 in E. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 50.00 Wash, 6 lks. wide, course W.
 63.40 Draw, 3.00 chs. wide, 15 ft. deep, course SW.
 69.40 Draw, 2.50 chs. wide, 12 ft. deep, course SW.
 70.85 Road from Kingman to Fort Mohave bears E. and W.
 72.65 Wash, 100 lks. wide, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with brass cap, marked
 T 21 N S 27 in NW.,
 R 21 W S 26 in NE.,
 S 35 in SE., and
 S 34 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling mountainous.
 Soil, gravelly and rocky; 4th rate.
 No timber.
 Scattering greasewood undergrowth.

40.00 East, on a random line, bet. secs. 26 and 35.
 80.02 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line 12 lks. N. of the cor. of secs. 25, 26, 35 and 36.
 Thence I run
 N. $89^{\circ}55'$ W., on a true line, bet. secs. 26 and 35,
 over rolling mountainous land, through scattering undergrowth.
 10.07 Wash, 5.00 chs. wide, course SW.
 28.27 Road from Kingman to Fort Mohave bears 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., with brass cap, marked
 $\frac{1}{4}$ S 26 in N. half,
 S 35 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 57.47 Wash, 100 lks. wide, course SW.
 80.02 The cor. of secs. 26, 27, 34 and 35.
 Land, rolling mountainous.
 Soil, rocky and gravelly; 4th rate.
 No timber.
 Undergrowth, scattering greasewood.

N. $0^{\circ}01'$ W., bet. secs. 26 and 27,
 over rolling mountainous land, through scattering undergrowth.
 6.00 Wash, 10.00 chs. wide, course W.
 26.70 Ravine, 10.00 chs. wide, 50 ft. deep, course S. $67\frac{1}{2}^{\circ}$ W.
 35.50 Draw, 4.00 chs. wide, 12 ft. deep, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 26 in E., and
 S 27 in W. half; and
 1915 in S. rim;

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

Chains
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.
 49.00 Ravine, 4.00 chs. wide, 20 ft. deep, course W.
 64.40 Wash, 3.00 chs. wide, course SW.
 72.40 Draw, 3.00 chs. wide, 8 ft. deep, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 22, 23, 26 and 27, with brass
 cap, marked
 T 21 N S 22 in NW.,
 R 21 W S 23 in NE.,
 S 26 in SE., and
 S 27 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.
 Land, rolling mountainous.
 Soil, rocky and gravelly; 4th rate.
 No timber.
 Undergrowth, greasewood.

 East, on a random line, bet. secs. 23 and 26.
 40.00 Set temp. ¼ sec. cor.
 80.00 Intersect N. and S. line 5 lks. N. of the cor. of secs.
 23, 24, 25 and 26.
 Thence I run
 N. 89° 58' W., on a true line, bet. secs. 23 and 26,
 over rolling mountainous land, through scattering
 undergrowth.
 9.55 Draw, 5.00 chs. wide, course N.
 19.25 Draw, 5.00 chs. wide, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., with brass cap, marked
 ¼ S 23 in N. half,
 S 26 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor.
 45.00 Enter draw, 5.00 chs. wide, course W. Thence line
 runs down same.
 70.00 Leave draw.
 80.00 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling mountainous.
 Soil, rocky and gravelly; 4th rate.
 No timber.
 Undergrowth, scattering greasewood.

Mar. 30, 1915.
T. C. J.

 Apr. 1, 1915.
 N. 0° 01' W., bet. secs. 22 and 23,
 over heavily rolling spurs with general SW. slope,
 through scattering undergrowth.
 14.95 Spur extends W.
 20.30 Enter wash, course N. 75° W.
 24.55 Leave same; asc.
 28.80 Gulch, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., with brass cap, marked
 ¼ in N.,
 S 22 in W. half, and
 S 23 in E. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.

Chains

Asc. SW. slope.
 45.65 Spur extends W.; desc. NW. slope.
 54.90 Gulch from S.70°E. to N.; thence line runs down gulch.
 57.90 Leave gulch, course from S. to W., and asc. S. slope.
 64.20 Summit of ascent, on spur extending S.70°W. Desc. NW. slope.
 69.15 Enter broad wash, course W.
 72.85 Road bears E. and W.
 74.55 Leave wash and asc. S. slope.
 79.00 Summit of ascent, on spur extending W.; desc.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap, marked
 T 21 N S 15 in NW.,
 R 21 W S 14 in NE.,
 S 23 in SE., and
 S 22 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land, heavily rolling.
 Soil, sandy, gravelly and stony; 4th rate.
 No timber.
 Undergrowth, cactus, catclaw and greasewood.
 T.O.J.

E.O.L.

East, on a random line, bet. secs. 14 and 23.
 40.00 Set temp. ¼ sec. cor.
 79.98 Intersect N & S line, 5 lks. S of cor. of secs. 13, 14, 23 and 24.
 Thence I run
 S.89°58'W., on a true line, bet. secs. 14 and 23, over roughly rolling land, through scattering undergrowth. Line runs along N. side of ridge, which bears E. and W.
 19.15 Summit of ascent on N. slope of ridge; desc. W. slope.
 33.75 Granite reef slopes NW; desc. W. slope.
 37.20 Wash, 60 lks. wide, course SW.
 39.99 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, (on bed rock), for ¼ sec. cor., with brass cap, marked
 ¼ S 14 in N. half,
 S 23 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Impracticable to dig pits or set cor. in the ground.
 40.15 Small ravine, course SW. Asc. steep SE. slope.
 43.76 Spur extends S.; desc.
 46.75 Gulch, course S.; asc. E. slope of spur.
 48.65 Top of spur extends S.; desc. along spur.
 67.00 Cross spur, extending SW.
 76.00 Cross spur extending N. from the one just crossed. Desc.
 79.98 The cor. of secs. 14, 15, 22 and 23.
 Land, heavily rolling spurs.
 Soil, sandy, gravelly and stony; 4th rate.
 No timber.
 Undergrowth, cactus and greasewood.

E. O. L.

T.O.J.

N.0°01'W., bet. secs. 14 and 15.
 Desc. general N. slope, over rolling land, through scattering undergrowth.
 12.10 Wash, 15 lks. wide, course from SE. to W.
 13.90 Wash, 20 lks. wide, course S.80°W.
 25.10 Wash, 40 lks. wide, course SW.
 28.75 Gulch, course SE.; asc. SE. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

Chains

$\frac{1}{4}$ in N.,
 S 14 in E., and
 S 15 in W. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Asc. SE. slope.
 48.00 Cross E. slope of hill and desc. NE. slope.
 53.80 Enter broad wash; course W., from NE.
 64.80 Leave wash, and asc. SE. slope.
 79.30 Summit of ascent, on spur extending SW. Desc. N. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
 stone, (on bed rock), for cor. of secs. 10, 11, 14 and 15,
 with brass cap, marked
 T 21 N S 10 in NW.,
 R 21 W S 11 in NE.,
 S 14 in SE., and
 S 15 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. in the
 ground.
 Land, heavily rolling.
 Soil, sandy, gravelly and stony; 4th rate.
 No timber.
 Undergrowth, cactus, catclaw and greasewood.

T.O.J.

E.O.L.

East, on a random line, bet. secs. 11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line 7, lks. S. of the cor. of secs.
 11, 12, 13 and 14.
 Thence I run
 S. $89^{\circ}57'$ W., on a true line, bet. secs. 11 and 14; desc.
 over mountainous land, through scattering undergrowth.
 10.00 150 ft. below sec. cor. Desc.
 14.40 Enter wash, course SW.
 15.50 Road bears NE. and SW.
 16.10 Leave wash and asc. SE. slope.
 28.30 Ridge bears NE. and S. 80° W. Desc. along N. slope
 35.80 Ridge bears NW. and S. 75° E.
 40.00 120 ft. below ridge noted at 28.30 chs.,
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, (on bed rock), for $\frac{1}{4}$ sec. cor., with brass cap,
 marked
 $\frac{1}{4}$ S 11 in N. half,
 S 14 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Impracticable to dig pits or set cor. in the
 ground.
 Desc. SW. slope.
 50.15 Enter wash, 100 ft. below $\frac{1}{4}$ sec. cor., course SW.
 58.15 Leave wash, and asc. E. slope 225 ft. to
 70.50 Summit of ascent, on rocky butte. Desc. along spur, on
 W. slope, 150 ft. to
 80.00 The cor. of secs. 10, 11, 14 and 15.
 Land, mountainous.
 Soil, stony and gravelly; 4th rate.
 No timber.
 Undergrowth, cactus, catclaw and greasewood.

Apr. 1, 1915.

E.O.L.

T.O.J.

Apr. 5, 1915.
 N. $0^{\circ}01'$ W., bet. secs. 10 and 11.
 Desc. N. slope, over rolling mountainous land, through
 scattering undergrowth.

Chains

4.40 Head of wash, 70 ft. below sec. cor., 3 lks. wide, course NW. Asc. SW. slope.

11.85 Summit of ascent, on W. slope of hill; desc. NW. slope.

19.70 Gulch, course NW.

29.07 Wash, 25 lks. wide, course W.; asc. SW. slope.

40.00 180 ft. above wash, at summit of ascent, on spur extending W.,
 set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, (on bed rock), for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 10 in W., and
 S 11 in E. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. in the ground.

Desc. NW. slope.

46.95 Spur extends NW. Desc. on NE. slope.

50.65 Wash, 125 ft. below $\frac{1}{4}$ sec. cor.; 5 lks. wide, course W. Asc. S. slope.

59.60 Summit of ascent, on spur 75 ft. above wash, sloping N.70°W. Desc. NW. slope.

64.30 Wash, 120 ft. below spur, 100 lks. wide, course N.50°W. Leave mountainous land, the edge of which bears NW. and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, with brass cap, marked
 T 21 N S 3 in NW.,
 R 21 W S 2 in NE.,
 S 11 in SE., and
 S 10 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

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

Apr. 5, 1915.
T.O.J.

E.O.L.

Apr. 6, 1915.

40.00 East, on a random line, bet. secs. 2 and 11, Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line 2 lks. S. of the cor. of secs. 1, 2, 11 and 12.
 Thence I run
 $\S.89^{\circ}59'W.$, on a true line, bet. secs. 2 and 11, over rolling land, through scattering undergrowth.

7.70 Enter broad wash, course SW.

18.50 Leave same; bank bears N.70°E. and S.70°W.

39.98 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 2 in N. half,
 S 11 in S. half, and
 1915 in S. rim;
 dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth and stone, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

64.60 Dim road bears N. and S.

68.90 Road from Beuleeard and Frisco to Mill on river bears N.70°W. and S.70°E.

79.96 The cor. of secs. 2, 3, 10 and 11.
 Land, gently rolling.
 Soil, decomposed granite; rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, cactus, and catclaw. Apr. 6, 1915.

Chains

Apr. 7, 1915.
 Knowing that a closing cor. will be necessary on the N. bdy. of the Tp., I run N.0°01'W., on a true line, bet. secs. 2 and 3, over gradual W. slope, through scattering undergrowth.

4.70 Road from Frisco to mill on Colorado river bears N.65°W., and S.65°E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ in N., S 2 in E. half, and S 3 in W. half; and 1915 in S. rim; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

43.00 Dim road bears NW. and S.35°E.

51.25 Wash, 60 lks. wide, course S.80°W. Asc.

53.00 Spur extends SW. Thence along SW. slope.

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

68.00 Gulch, course W., Asc. SE. slope.

72.15 Low spur extends NE.

83.36 Spur extends W. Desc. NW. slope.

86.43 Enter broad wash, course S.80°W.

92.60 Leave same.

94.45 Spur extends S.75°W. Desc. NW. slope.

95.42 Intersect N. bdy. of Tp. 4.02 chs. E. of the cor. of secs. 34 and 35, described in Book "A".
 At point of intersection Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 2 and 3, with brass cap, marked T 22 N R 21 W S 35 in N. half, CC in S. half, S 3 T 21 N in SW., and S 2 R 21 W in SE. quadrant; and 1915 in S. rim; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.

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

Apr. 7, 1915.
 E. O. L.

T. O. J.
 Mar. 31, 1915.
 From the reestablished standard cor. of secs. 33 and 34 on the S. bdy. of Tp. (5th Std. Bar. N.) described in Book "B" I run N.0°02'W., bet. secs. 33 and 34, over rolling mountainous land, through scattering undergrowth.

14.80 Wash, 100 lks. wide, 12 ft. deep, course NW.

25.50 Wash, 200 lks. wide, course SW.

34.80 Wash, 5.00 chs. wide, course W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ in N., S 33 in W., and S 34 in E. half; and 1915 in S. rim; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

54.90 Draw, 7.00 chs. wide, 30 ft. deep, course W.

57.35 Wash, 5.00 chs. wide, course W.

69.25 Road from Kingman to Fort Mohave bears E. and W.

72.85 Wash, 2.00 chs. wide, course S.67 $\frac{1}{2}$ °W.

79.35 Middle of draw, 3.00 chs. wide, course W.

80.00 In draw,

Chains. set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, with brass cap, marked
 T 21 N S 28 in NW.,
 R 21 W S 27 in NE.,
 S 34 in SE. and
 S 33 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land rolling mountainous.
 Soil, gravelly and rocky; 4th rate.
 No timber.
 Undergrowth, greasewood.

40.00 East, on a random line, bet. secs. 27 and 34.
 79.96 Set temp. ¼ sec. cor.
 Intersect N. and S. line 5 lks. S. of the cor. of secs. 26, 27, 34 and 35.
 Thence I run
 S. 89°58'W., on a true line, bet. secs. 27 and 34, over rolling mountainous land, through scattering undergrowth.
 15.45 Wash, 5 lks. wide, course S. 67½°W.
 37.50 Wash, 3.00 chs. wide, course S. 67½°W.
 39.98 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked
 ¼ S 27 in N. half,
 S 34 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 65.00 Enter draw, 5.00 chs. wide, course W. Line runs down same to
 79.96 The cor. of secs. 27, 28, 33 and 34.
 Land, rolling mountainous.
 Soil, rocky and gravelly; 4th. rate.
 No timber.
 Undergrowth, greasewood.

N. 0°02'W., bet. secs. 27 and 28,
 over rolling mountainous land, through scattering undergrowth.
 11.55 Ravine, 10.00 chs. wide, 70 ft. deep, course W.
 18.00 Wash, 4.00 chs. wide, course SW.
 24.90 Draw, 13.00 chs. wide, course SW.
 36.00 Ravine, 10.00 chs. wide, course W.; depth, 50 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked
 ¼ in N.,
 S 27 in E., and
 S 28 in W. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 44.00 Wash, 5.00 chs. wide, course W.
 55.00 Wash, 2.50 chs. wide, course SW.
 61.80 Wash, 100 lks. wide, course SW.
 71.20 Wash, 75 lks. wide, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, with brass cap, marked
 T 21 N S 21 in NW.,
 R 21 W S 22 in NE.,
 S 27 in SE., and
 S 28 in SW. quadrant; and
 1915 in S. rim;

Chains

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

East, on a random line, bet. secs. 22 and 27.
 40.00 Set a temp. ¼ sec. cor.
 80.06 Intersect N. and S. line 7 lks. S. of cor. of secs. 22,
 23, 26 and 27.
 Thence I run
 S.89°57'W., on a true line, bet. secs. 22 and 27, over
 rolling mountainous land, through scattering under-
 growth.
 40.03 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., with brass cap, marked
 ¼ S 22 in N. half,
 S 27 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor.
 55.00 Wash, course W.
 70.00 Same wash, course S.22½°W.
 77.40 Wash, 150 lks. wide, course N.80°W.
 80.06 The cor. of secs. 21, 22, 27 and 28.
 Land, rolling mountainous.
 Soil, gravelly and rocky; 4th rate.
 No timber.
 Undergrowth, greasewood.

Mar. 31, 1915.
 T. O. J.

E. O. L.
 Apr. 1, 1915.
 N.0°02'W., bet. secs. 21 and 22,
 over roughly rolling land, through scattering undergrowth.
 1.00 Wash, 20 lks. wide, course W.
 5.70 Enter broad wash, course W.
 13.00 Leave same.
 18.33 Spur extends S.70°W.
 30.15 Wash, 20 lks. wide, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., with brass cap, marked
 ¼ in N.,
 S 21 in W., and
 S 22 in E. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.
 48.70 Enter broad wash, course W.
 53.15 Leave same.
 54.85 Spur extends W. Desc. N. slope.
 60.40 Enter wash, course W.
 61.00 Road bears N.75°E., and S.75°W.
 65.20 Leave wash; bank bears NE. and SW.
 79.70 Wash, 5 lks. wide, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 15, 16, 21 and 22, with brass
 cap, marked
 T 21 N S 16 in NW.,
 R 21 W S 15 in NE.,
 S 22 in SE., and
 S 21 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.

Chains

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

East, on a random line, bet. secs. 15 and 22.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.10 Intersect N. and S. line 3 lks. N. of the cor. of secs,
14, 15, 22 and 23.
Thence I run
N. $89^{\circ}59'W.$, on a true line, bet. secs. 15 and 22.
Asc. E. slope of spur, over heavily rolling land, through
scattering undergrowth.
2.00 Summit of ascent, 55 ft. above sec. cor., on spur extending
N. Desc. W. slope.
13.80 Wash, 100 ft. below spur, 40 lks. wide, course NW.
16.60 Wash, 20 lks. wide, course N. $20^{\circ}W.$. Both these washes are
from main wash S. of line, course W., breaking through
low hills N. of same.
20.83 Low hill bears N. and S.
23.00 Desc. W. slope.
23.65 Enter wash, course NW.
31.45 Leave same, and asc. over low hills in wash.
40.05 At N. edge of wash, course N. $80^{\circ}W.$,
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 15 in N. half,
S 22 in S. half, and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor. Desc. in wash.
65.00 Leave wash; left bank bears N. $70^{\circ}W.$ and S. $70^{\circ}E.$
Desc. SW. slope.
80.10 The cor. of secs. 15, 16, 21 and 22.
Land, heavily rolling spurs and broad washes.
Soil, stony; 4th rate.
No timber.
Undergrowth, cactus, catclaw and greasewood.
Apr. 1, 1915.

Apr. 2, 1915.
N. $0^{\circ}02'W.$, bet. secs. 15 and 16.
Asc. SW. slope, through scattering undergrowth.
3.30 Low spur extends N. $80^{\circ}W.$. Desc. NW. slope.
9.90 Enter wash, course N. $60^{\circ}W.$
18.90 Leave same.
31.75 Desc. to broad wash.
32.40 Enter broad wash, course SW.
38.65 Leave same. Asc. S. slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
S 15 in E., and
S 16 in W. half; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
45.00 Low ridge bears NE. and SW. Asc. SW. slope of large spur.
57.35 Cross W. slope of spur.
60.60 Desc. abrupt NW. slope over broken cliff, 150 ft. to
65.85 Wash, 25 lks. wide, course W.
69.75 Gulch, course SW.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 9, 10, 15 and 16, with brass
cap, marked

Chains

T 21 N S 9 in NW.,
R 21 W S 10 in NE.,
S 15 in SE., and
S 16 in SW. quadrant; and
1915 in S. rim;

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

Land, heavily rolling spurs and hills.
Soil, gravelly and stony; 4th rate.
No timber.
Undergrowth, cactus and greasewood.

Apr. 2, 1915.
 East., on a random line, bet. secs. 10 and 15.
 40.00 Set temp. ¼ sec. cor.
 80.16 Intersect N. and S. line 14 lks. N. of the cor. of secs.
 10, 11, 14 and 15.
 Thence I run
 N.89°54'W., on a true line, bet. secs. 10 and 15,
 over roughly rolling land, through scattering undergrowth.
 1.35 Head of ravine, course SW. Asc.
 5.80 Summit of ascent on spur extending S.
 6.80 Spur extends SW.; desc. NW. slope.
 16.35 Wash, 5 lks. wide, course S.65°W. Desc. SW. slope.
 27.70 Wash, 3 lks. wide, course SE. Asc. NE. slope.
 33.65 Spur extends SE. Asc. SE. slope.
 36.80 Summit of ascent, on ridge, which bears N. and SW.
 40.08 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., with brass cap, marked
 ¼ S 10 in N. half,
 S 15 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor. Desc. NW. slope.
 50.20 Ft. of slope.
 63.65 Gully, 8 lks. wide, 20 ft. deep, course S.75°W.
 80.16 The cor. of secs. 9, 10, 15 and 16.
 Land, broken spurs, with general SW. slope.
 Soil, sandy and gravelly; 4th rate.
 No timber.
 Undergrowth, cactus and greasewood.

Apr. 2, 1915.

Apr. 3, 1915.
 N.0°02'W., bet. secs. 9 and 10,
 over broken spurs, through scattering undergrowth.
 6.40 Wash, 60 lks. wide, course SW.
 11.96 Wash, 15 lks. wide, course S.60°W. Asc. S. slope.
 28.30 Top of spur extends SE. Desc. NE. slope.
 31.17 Head of wash, course SE. Asc. S. slope.
 35.14 Top of ridge bears NE. to saddle, and SW. Desc. NW. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground and 14 ins. in a mound of stone, for ¼ sec. cor.,
 with brass cap, marked
 ¼ in N.,
 S 9 in W., and
 S 10 in E. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor. Impracticable to dig pits or set cor. in
 the ground.
 44.95 Wash, 3 lks. wide, course W.
 49.90 Wash, 5 lks. wide, course S.80°W. Asc. SE. slope.
 56.60 Spur extends SW.; desc. NW. slope.
 68.92 Wash, 25 lks. wide, course SW. Asc. S. slope.
 77.92 Ridge bears N.15°E., and S.15°W.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, and 18 ins. in a mound of stone, for cor. of secs. 3, 4, 9 and 10, with brass cap, marked
 T 21 N S 4 in NW.,
 R 21 W S 3 in NE.,
 S 10 in SE., and
 S 9 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground.
 Land, broken hills.
 Soil, gravelly and stony; 4th rate.
 No timber.
 Undergrowth, cactus, catclaw and greasewood.
 Apr. 3, 1915.

Apr. 5, 1915.

40.00 Set temp. ¼ sec. cor.
 79.98 Intersect N. and S. line 5 lks. S. of the cor. of secs. 2, 3, 10 and 11.
 Thence I run
 S. 89°58'W., on a true line, bet. secs. 3 and 10.
 Desc. over W. slope, through dense cactus and greasewood.
 20.30 Enter broad wash, course NW.
 26.50 Leave same, and asc. NE. slope, over mountainous land.
 33.00 Summit of ascent, on low spur extending NW. Desc. NW. slope.
 39.00 Wash, 30 lks. wide, course N. Asc. NE. slope.
 39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked
 ¼ S 3 in N. half,
 S 10 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 43.35 Spur extends N. 20°E.; desc. NW. slope.
 47.02 Wash, 10 lks. wide, course N. 10°W.; asc. NE. slope.
 57.10 Wash, 15 lks. wide, course N. 20°W.; asc. NE. slope.
 62.05 Spur extends NW.; desc. NW. slope.
 67.50 Desc. on W. slope.
 72.16 Head of wash, course SW.; asc. SE. slope.
 79.38 Spur extends N.; desc. W. slope.
 79.98 The cor. of secs. 3, 4, 9 and 10.
 Land, rolling and mountainous.
 Soil, gravelly and stony; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.
 Apr. 5, 1915.

Apr. 9, 1915.

Knowing that a closing cor. will be necessary on the N. bdy., I run
 N. 0°02'W., on a true line, bet. secs. 3 and 4.
 Asc. SW. slope, through scattering undergrowth.
 .80 Spur extends NW.; desc. NE. slope.
 7.30 Desc. along W. slope.
 9.35 Discovery shaft bears E., 65 lks. dist.
 14.95 Spur extends NW.; desc. NE. slope.
 18.30 Gulch, course NW.; asc. over low spurs.
 23.85 Gulch, course S. 85°W.; asc. SW. slope.
 28.95 Low ridge bears NW. and SE.; thence along N. and NE. slopes.
 34.85 Desc. NE. slope.
 38.00 Broad wash, course N. 70°W.
 38.60 Road to mill on Colorado river bears N. 70°W. and S. 80°E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ in N., S 3 in E., and S 4 in W. half, and 1915 in S. rim; dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

48.00 Butte about 30.00 chs. E. of line.

90.70 Asc. S. slope of butte; ft. bears NE. and SW.

94.93 Cliff, 20 ft. high, bears E. and W.

95.42 Intersect N. bdy. of Tp. 3.69 chs. E. of the cor. of secs. 33 and 34, T. 22 N., described in Book "A".
At point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, for closing cor. of secs. 3 and 4, with brass cap, marked
T 22 N R 21 W S 34 in N. half,
CC in S. half,
S 3 R 21 W in SE., and
S 4 T 21 N in SW. quadrant; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
Cor. is on E. slope of isolated butte, near top.
Land, 37.75 chs. heavily rolling spurs and 52.95 chs. gently sloping; 4.72 chs. on butte.
Soil, gravelly and stony; 4th rate.
No timber.
Undergrowth, cactus, catclaw and greasewood.
Apr. 9, 1915.
E. O. L.

T. O. J.
Mar. 31, 1915.
From the reestablished standard cor. of secs. 32 & 33, on S. bdy. of Tp. 15th, Std. Par. NW, described in Book "B," I run, N.0°03'W., bet. secs. 32 and 33, over rolling mountainous land.

14.50 Draw, 3.00chs. wide, 15 ft. deep, course NW.

25.00 Wash, 10.00 chs. wide, course W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ in N., S 32 in W., and S 33 in E. half; and 1915 in S. rim; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. in the ground.

48.00 Wash, 12.00 chs. wide, course SW.

56.60 Road from Kingman to Fort Mohave bears NE. and SW.

58.70 Draw, 2.00 chs. wide, 10 ft. deep, course SW.

65.00 Draw, 3.00 chs. wide, 10 ft. deep, course SW.

68.25 Old road bears E. and W.

70.00 Ravine, 2.00 chs. wide, 6 ft. deep, course SW.

75.00 Wash, 8.00 chs. wide, course W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, with brass cap, marked
T 21 N S 29 in NW.,
R 21 W S 28 in NE.,
S 33 in SE., and
S 32 in SW. quadrant; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Cor. in wash, center of which was noted at 75.00 chs.

Chains

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

-
- 40.00 East, on a random line, bet. secs. 28 and 33.
Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect N. and S. line 8 lks. N. of the cor. of secs.
27, 28, 33 and 34.
Thence I run
N. $89^{\circ}57'W.$, on a true line, bet. secs. 28 and 33.
Line runs down wash, 7.00 chs. wide, course W.
15.00 Leave wash, course N. $70^{\circ}W.$
39.98 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 28 in N. half,
S 33 in S. half, and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
65.00 Enter same wash, 15.00 chs. wide, course W. Line runs down
same to
79.96 The cor. of secs. 28, 29, 32 and 33.
Land, rolling mountainous.
Soil, rocky and gravelly; 4th rate.
No timber.
Undergrowth, scattering greasewood.

Mar. 31, 1915.

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- Apr. 1, 1915.
N. $0^{\circ}03'W.$, bet. secs. 28 and 29,
over rolling mountainous land, through scattering under-
growth.
Line runs across wash, course W.
3.00 Leave wash.
8.50 Draw, 4.00 chs. wide, 10 ft. deep, course SW.
18.20 Draw, 5.00 chs. wide, 15 ft. deep, course SW.
28.50 Wash, 5.00 chs. wide, course W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
S 28 in E., and
S 29 in W. half; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
42.50 Wash, 2.00 chs. wide, course SW.
48.40 Wash, 200 lks. wide, course S. $67\frac{1}{2}^{\circ}W.$
50.00 Wash, 100 lks. wide, course W.
59.00 Wash, 2.50 chs. wide, course S. $67\frac{1}{2}^{\circ}W.$
63.20 Wash, 3.00 chs. wide, course W.
65.45 Wash, 3.00 chs. wide, course S. $67\frac{1}{2}^{\circ}W.$
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for cor. of secs. 20, 21, 28 and 29, with
brass cap, marked
T 21 N S 20 in NW.,
R 21 W S 21 in NE.,
S 28 in SE., and
S 29 in SW. quadrant; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
Land, rolling mountainous.
Soil, gravelly and rocky; 4th rate.
No timber.
Undergrowth, scattering greasewood.
-

Chains

East, on a random line, bet. secs. 21 and 28.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line 5 lks. S. of the cor. of secs.
 21, 22, 27 and 28.
 Thence I run
 S. $89^{\circ}58'W.$, on a true line, bet. secs. 21 and 28.
 Line runs down ravine, 7.00 chs. wide, course W.
 20.00 Leave ravine at point where it enters broad wash. Thence
 across broad wash, course SW.
 25.00 Leave wash.
 39.98 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 21 in N. half,
 S 28 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 79.96 The cor. of secs. 20, 21, 28 and 29.
 Land, rolling mountainous.
 Soil, gravelly and rocky; 4th rate,
 No timber.
 Scattering greasewood undergrowth.

Apr. 1, 1915.
 T. O. J.

 E. O. L.
 Apr. 2, 1915.
 N. $0^{\circ}03'W.$, bet. secs. 20 and 21,
 over roughly rolling land, through scattering undergrowth;
 general westerly drainage.
 12.00 Wash, 12 lks. wide, course S. $65^{\circ}W.$
 24.90 Wash, 40 lks. wide, course W.
 35.50 Desc. to wash.
 38.00 Enter broad wash, course W.
 40.00 In wash,
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 20 in W., and
 S 21 in E. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 50.70 Leave wash, bank bears N. $80^{\circ}E.$, and S. $80^{\circ}W.$
 61.85 Wash, 40 lks. wide, course S. $80^{\circ}W.$
 66.45 Wash, 60 lks. wide, course W.
 78.50 Top of hill bears E. and W. Desc. N. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 16, 17, 20 and 21, with brass
 cap, marked
 T 21 N S 17 in NW.,
 R 21 W S 16 in NE.,
 S 21 in SE., and
 S 20 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, heavily rolling.
 Soil, gravelly and stony; 4th rate.
 No timber.
 Undergrowth, cactus, catclaw, greasewood and sage.

 N. $89^{\circ}58'W.$ East, on a random line, bet. secs. 16 and 21.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. & S. line, 5 lks. S. of cor. of secs. 15, 16, 21
 and 22.
 Thence I run
 S. $89^{\circ}58'W.$, on a true line, bet. secs. 16 and 21.

Chains	Desc. W. slope, through scattering undergrowth.
10.00	Wash, 5 lks. wide, course N.70°W. Thence along NW. slope.
30.40	Same wash, course S.85°W.
34.10	Same, wash, 20 lks. wide, course NW.; asc. NE. slope spur.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, (to bed rock), and 16 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 16 in N. half, S 21 in S. half, and 1915 in S. rim; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
74.00	Thence along N. slope of granite hill.
80.00	The cor. of secs. 16, 17, 20 and 21. Land, roughly rolling. Soil, gravelly and stony; 4th rate. No timber. Undergrowth, cactus, catclaw and greasewood. Apr. 2, 1915.

	Apr. 3, 1915.
	N.0°03'W., bet. secs. 16 and 17.
3.72	Desc. N. slope, through scattering undergrowth.
19.90	Wash, 40 lks. wide, course S.80°W. Asc. S. slope.
23.15	Head of gulch, course SW.
40.00	Spur extends SW. In middle of wash, 2.00 chs. wide, course W., Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ in N., S 16 in E., and S 17 in W. half; and 1915 in S. rim; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
53.60	Canyon, course S.60°W.
58.45	Spur extends E.
59.70	Same gulch, course SE.
62.70	Wash from same gulch, 8 lks. wide, course SW.
65.87	Same wash, course SE.
72.90	Same wash, course SW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground and 16 ins. in a mound of stone, for cor. of secs. 8, 9, 16 and 17, with brass cap, marked T 21 N S 8 in NW., R 21 W S 9 in NE., S 16 in SE., and S 17 in SW. quadrant; and 1915 in S. rim; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Impracticable to dig pits or set cor. farther in the ground. Land, mountainous. Soil, decomposed granite and exposed rock; 4th rate. No timber. Undergrowth, greasewood.

	East, on a random line, bet. secs. 9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line 17 lks. N. of the cor. of secs. 9, 10, 15 and 16. Thence I run N.89°57'W., on a true line, bet. secs. 9 and 16, over rough hilly land, through scattering undergrowth.
9.10	Wash, 60 lks. wide, course SW. Asc.

Chains

- 9.40 Cliff, 25 ft. above wash.
 15.15 Low spur extends SW.
 27.93 Wash, 10 lks. wide, course SW.
 32.45 Wash, 10 lks. wide, course S.
 39.95 On S. slope of ridge, near ft.,
 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground and 14 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked
 $\frac{1}{4}$ S 9 in N., and
 S 16 in S. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Impracticable to dig pits or set cor. far-
 ther in the ground.
 50.55 Head of wash, course SE. Asc. E. slope of ridge.
 68.10 Ridge bears N.40°W. and S.40°E. Desc. W. slope.
 76.35 Wash, 4 lks. wide, course SW.; Asc. SE. slope.
 78.85 Desc. W. slope.
 79.90 140 ft. below ridge;
 The cor. of secs. 8, 9, 16 and 17.
 Land, rough hills.
 Soil, stony; 4th rate.
 No timber.
 Undergrowth, greasewood and cactus.

Apr. 3, 1915.

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- Apr. 9, 1915.
 N.0°03'W., bet. secs. 8 and 9.
 Asc. SW. slope, over mountainous land, through scattering
 undergrowth.
 10.95 Spur extends SW.
 12.95 Summit of ascent, 170 ft. above sec. cor.; desc. NW. slope
 100 ft. to
 19.30 Gulch, course SW.; asc. SE. slope.
 31.95 Head of gulch, course SE. for about 7 chs., and thence SW.
 36.35 Ridge extends SE. and SW.; Desc. along E. slope of spur
 extending N.10°W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 8 in W., and
 S 9 in E. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Desc. N. and NE. slopes.
 57.80 Gulch, 325 ft. below ridge, course N.35°W.; asc. along W.
 slope.
 61.68 Spur extends NW.; desc. N. slope.
 68.00 Wash, 20 lks. wide, course N.75°W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 4, 5, 8 and 9, with brass
 cap, marked
 T 21 N. S 5 in NW.,
 R 21 W. S 4 in NE.,
 S 9 in SE., and
 S 8 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, mountainous.
 Soil, decomposed granite and exposed rock.
 No timber.
 Undergrowth, cactus, catclaw and greasewood.
-

Chains	
40.00	3.00° East, on a random line, bet. secs. 4 and 9.
79.96	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line, 28 lks. S. of the cor. of secs.
	3, 4, 9 and 10.
	Thence I run
	S. 89° 48' W., on a true line, bet. secs. 4 and 9.
	Desc. NW. slope, through scattering undergrowth.
4.40	Cross gulch, near head, course N. 65° W., and asc. NE. slope.
19.60	Across NW. slope.
21.40	Desc. W. slope.
33.15	Wash, 10 lks. wide, course NW.; desc. NW. slope.
39.98	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
	ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
	$\frac{1}{4}$ S 4 in N. half,
	S 9 in S. half; and
	1915 in S. rim;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
	N. of cor.
41.70	Low spur extends NW.; desc. W. slope.
48.65	Wash, 10 lks. wide, course NW.; asc. NE. slope.
49.80	Cross point of spur extending NW.; desc. W. slope of spur.
58.00	Enter broad wash, course NW.
70.00	Leave same.
79.96	The cor. of secs. 4, 5, 8 and 9.
	Land, roughly rolling.
	Soil, gravelly, with exposed bed rock; 4th rate.
	No timber.
	Undergrowth, cactus, greasewood and catclaw.
	E. O. L.
	T. O. J.
	Knowing that a closing cor. will be necessary on the N.
	bdy., I run
	N. 0° 03' W., on a true line, bet. secs. 4 and 5,
	along W. slope of broken ridge, through scattering under-
	growth.
10.00	Wash, 10.00 chs. wide, course W.
25.00	Wash, 150 lks. wide, course SW.
28.50	Draw, 2.00 chs. wide, 7 ft. deep, course SW.
32.00	Draw, 100 lks. wide, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
	ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
	$\frac{1}{4}$ in N.,
	S 4 in E., and
	S 5 in W. half; and
	1915 in S. rim;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
	of cor.
47.50	Wash, 5.00 chs. wide, course W.
52.70	Road bears E. and W.
60.00	Wash, 10.00 chs. wide, course W.
82.50	Wash, 5.00 chs. wide, course SW.
90.00	Wash, 100 lks. wide, course SW.
95.65	Intersect N. bdy. of Tp. 3.98 chs. E. of the cor. of secs.
	32 and 33, T. 22 N., described in Book "A".
	At point of intersection
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
	the ground, for closing cor. of secs. 4 and 5, with brass
	cap, marked
	T 22 N R 21 W S 33 in N. half,
	CC in S. half,
	S 5 T 21 N in SW., and
	S 4 R 21 W in SE. quadrant; and
	1915 in S. rim;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
	S. of cor.
	Land, rolling mountainous.
	Soil, rocky and gravelly; 4th rate.

Chains

No timber.
Undergrowth, scattering greasewood.

Apr. 9, 1915.

Apr. 1, 1915.

From the reestablished ~~std. cor. of sec. 32, and fracl. sec. 31,~~
on S. bdy. of T. (5th, Std. Par. N.) described in Book "B" I run,
N. 0° 03' W., bet ~~sec. 32 and fracl. sec. 31.~~

over rolling mountainous land, through scattering
undergrowth.

- 17.00 Wash, 6.00 chs. wide, course W.
20.75 Draw, 4.00 chs. wide, course W.
32.65 Draw, 5.00 chs. wide, course W.
37.35 Wash, 5.00 chs. wide, course W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
S 31 in W., and
S 32 in E. half, and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
40.40 ~~Road Kingman to Ft. Mohave, hrs. E. and W.~~
48.15 Draw, 2.00 chs. wide, 10 ft. deep, course SW.
52.70 Ravine, 5.00 chs. wide, 30 ft. deep, course W.
60.00 Wash, 15.00 chs. wide, course W.
80.00 In wash,
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 29, 32, and fracl. secs. 30 and 31,
with brass cap, marked,
T 21 N S 30 in NW.,
R 21 W S 29 in NE.,
S 32 in SE., and
S 31 in SW. quadrant; and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
Land, rolling mountainous.
Soil, gravelly and rocky; 4th rate.
No timber.
Undergrowth, greasewood.

East, on a random line, bet. secs. 29 and 32.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.02 Intersect N. and S. line 5 lks. S. of the cor. of secs.
28, 29, 32 and 33.
Thence I run
S. 89° 58' W., on a true line, bet. secs. 29 and 32.
Line runs down broad wash, course W.
40.01 In wash,
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 29 in N. half,
S 32 in S. half, and
1915 in S. rim;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
55.10 Leave wash and asc. E. slope of butte.
57.70 Top of butte; desc. W. slope.
70.00 Ft. of slope; enter same wash, course W. Thence down wash.
80.02 The cor. of secs. 29, 32 and fracl. secs. 30 and 31.
Land, rolling mountainous.
Soil, gravelly and rocky; 4th rate.
No timber.
Undergrowth, greasewood.

Apr. 1, 1915.

Chains Apr. 2, 1915.
 West, on a true line, bet. frac. secs. 30 and 31.
 Line runs down wash, 15.00 chs. wide, course W.
 35.00 Leave wash; S. bank bears N.70°W. and S.70°E.
 40.00 On N. slope of low ridge,
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 30 in N. half,
 S 31 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 41.35 Top of low ridge projecting W.
 55.90 Enter river bottom; bears N. and S.; scattering under-
 growth in bottom.
 66.50 Road bears N.22 $\frac{1}{2}$ °W. and S.22 $\frac{1}{2}$ °E. Enter dense undergrowth;
 bears N. and S.
 68.70 To left bank of Colorado River, chrs. N. and S.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for meander cor. of frac. secs. 30 and 31, with
 brass cap, marked
 MC in W. half,
 T 21 N S 30 in NE., and
 S 31 R 21 W in SE. quadrant; and
 1915 in S. rim;
 dig a pit, 36x36x12 ins., 8 ft. E. of cor., and raise
 a mound of earth, 4 ft. base, 2 ft. high, E. of cor.
 Land, rolling mountainous.
 Soil, gravelly and rocky; 4th rate, on E. 55 chs.; and
 sandy loam, 2nd rate, in western portion.
 No timber.
 Undergrowth, mesquite, sage, willow, greasewood, and arrow
 weed.
 Apr. 2, 1915.

Apr. 3, 1915. From cor. of secs. 29, 32, and frac. secs. 30 and 31,
 N.0°03'W., bet. sec. 29 and frac. sec. 30.
 over rolling mountainous land.
 9.85 Wash, 150 lks. wide, course W.
 19.65 Ravine, 5.00 chs. wide, 40 ft. deep, course W.
 21.80 Ravine, 100 lks. wide, course W.
 25.80 Ravine, 4.00 chs. wide, course S.67 $\frac{1}{2}$ °W.
 31.50 Ravine, 5.00 chs. wide, course SW.
 40.00 On N. slope of low ridge,
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 29 in E.,
 S 30 in W. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 45.00 Wash, 4.00 chs. wide, course W.
 51.70 Ravine, 3.00 chs. wide, course SW.
 62.55 Wash, 2.50 chs. wide, course W.
 71.35 Draw, 3.50 chs. wide, course W.
 78.05 Draw, 5.00 chs. wide, 30 ft. deep, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 20, 29, and frac. secs. 19 and 30,
 with brass cap, marked
 T 21 N S 19 in NW.,
 R 21 W S 20 in NE.,
 S 29 in SE., and
 S 30 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling mountainous.
 Soil, gravelly and rocky; 4th rate.
 No timber.
 Apr. 3, 1915. T.O.J.

Chains

E. O. L.
 Apr. 2, 1915.
 East, on a random line, bet. secs. 20 and 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. and S. line at the cor. of secs. 20, 21, 28
 and 29.
 Thence I run
 West, on a true line, bet. secs. 20 and 29,
 over roughly rolling land, through scattering under-
 growth.
 30.00 Wash, 5 lks. wide, course S.70°W.
 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 20 in N. half,
 S 29 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.
 45.60 Enter broad wash, course SW.
 49.60 Leave same; bank bears N.70°E. and S.70°W.
 59.95 Gulch, course W.; desc. in gulch.
 69.25 Leave gulch, course S.70°W.
 80.10 The cor. of secs. 20, 29, and fracl. secs. 19 and 30.
 Land, roughly rolling.
 Soil, gravelly and stony; 4th rate.
 No timber.
 Undergrowth, cactus, greasewood and catclaw.
 Apr. 2, 1915.
 E. O. L.

 T. O. J.
 Apr. 3, 1915.
 West, on a true line, bet. frac. secs. 19 and 30.
 Over rolling mountainous land, through scattering under-
 growth.
 10.00 Wash, 3.00 chs. wide, course SW.
 30.00 Line runs down wash, 4.00 chs. wide, course W.
 40.00 In wash,
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 19 in N. half,
 S 30 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. hgh,
 N. of cor.
 60.00 Enter river bottom; bears N. and S.
 61.80 Road bears NE. and SW.
 62.30 Road bears N. and S.
 68.14 To left bank of Colorado river, brs. N.8°E. and S.8°W.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for meander cor. of fracl. secs. 19 and 30, with
 brass cap, marked
 MC in W. half,
 T 21 N S 19 in NE., and
 S 30 R 21 W in SE. quadrant; and
 1915 in S. rim;
 dig a pit, 36x36x12 ins., 8 ft. E. of post, and raise a
 mound of earth, 4 ft. base, 2 ft. high, E. of cor.
 Land, rolling and mountainous.
 Soil, gravelly; 4th rate.
 No timber.
 Undergrowth, greasewood.
 Apr. 3, 1915.

 Apr. 5, 1915. From cor. of secs. 20, 29, and fracl. secs. 19 & 30,
 N.0°0 $\frac{1}{2}$ °W., bet. sec. 20 and fracl. sec. 19.
 over rolling mountainous land.

Chains

Line runs along broken W. slope.

34.60 Wash, 10.00 chs. wide, course N. $67\frac{1}{2}^{\circ}$ W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ in N., S 19 in W., and S 20 in E. half; and 1915 in S. rim; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

50.00 Wash, 8.00 chs. wide, course W.

64.00 Wash, 50 lks. wide, course S. $67\frac{1}{2}^{\circ}$ W.

73.80 Ravine, 5.00 chs. wide, 50 ft. deep, course SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 20, and fracl. secs. 18 and 19, with brass cap, marked, T 21 N. S 18 in NW., R 21 W S 17 in NE., S 20 in SE., and S 19 in SW. quadrant; and 1915 in S. rim; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

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

40.00 East, on a random line, bet. secs. 17 and 20.
Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect N. and S. line at cor. of secs. 16, 17, 20 and 21.
Thence I run West, on a true line, bet. secs. 17 and 20.
Desc. along N. slope; line runs along the south side of wash, 150 lks. wide, course W.

11.30 Canyon, 5.00 chs. wide, course SW.

23.65 Canyon, 15.00 chs. wide, course SW.

26.30 Ravine, 2.00 chs. wide, course S. $22\frac{1}{2}^{\circ}$ W.

40.05 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 17 in N. half, S 20 in S. half, and 1915 in S. rim; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Impracticable to dig pits or set cor. in the ground.

45.00 Line touches S. edge of wash. noted at beginning of mile.

65.30 Cross same wash, 100 lks. wide, course SW.

76.50 Ravine; 5.00 chs. wide, 40 ft. deep, course S. $22\frac{1}{2}^{\circ}$ W.

80.10 The cor. of secs. 17, 20, and fracl. secs. 18 and 19,
Land, mountainous.
Soil, rocky; 4th rate.
No timber.

At the cor. of secs. 17, 20, and fracl. secs. 18 and 19, set off $77^{\circ}22'$ N. on the decl. arc; and at 12h 03m p.m., l.m.t., observe the sun on the meridian. The resulting latitude is $35^{\circ}12'$.
Thence I run West, on a true line, bet. fracl. secs. 18 and 19 over mountainous land.

15.00 Draw, 2.50 chs. wide, course S.

32.15 Road, bears N. $22\frac{1}{2}^{\circ}$ E., and S.

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

Chains

$\frac{1}{4}$ S 18 in N. half,
 S 19 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 51.75 Draw, 3.00 chs. wide, course S. $22\frac{1}{2}^{\circ}$ W.; depth about 20 ft.
 54.75 Draw, 3.00 chs. wide, 25 ft. deep, course SW.
 66.40 Ravine, 5 chs. wide, 80 ft. deep, course S; from W. edge desc. 320 ft. to
 81.44 To left bank of Colorado river, bcs. N. $13\frac{1}{2}^{\circ}$ E. and S. $13\frac{1}{2}^{\circ}$ W.
 Set an iron post, 3 ft. long, 2 ins. diam., in a mound
 of stone, for meander cor. of secs. 18 and 19
 with brass cap, marked
 MC in W. half,
 T 21 N S 18 in NE., and
 S 19 R 21 W in SE. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 E. of cor. Impracticable to dig pits or set cor. in
 the ground.
 Cor. is on steep rocky W. slope.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.

Apr. 5, 1915.

Apr. 6, 1915. From cor. of secs. 17, 20, & frac. secs. 18 & 19,
 N. $0^{\circ}03'$ W., bet. sec. 17, and frac. sec. 18.
 over mountainous land, ascending S. slope of broken
 ridge.

6.50 Top of ridge, 50 ft. above sec. cor., bears E. and W.
 Desc. along broken E. slope.
 18.90 Canyon, 10.00 chs. wide, course S. $67\frac{1}{2}^{\circ}$ W. Asc. SW. slope.
 40.00 In wash, 4.00 chs. wide, course W.,
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 17 in E., and
 S 18 in W. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Asc. S. slope.
 49.60 Top of butte, 160 ft. above $\frac{1}{4}$ sec. cor.; desc. N. slope.
 55.00 Thence along E. slope.
 71.15 Top of butte; desc. E. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., in a mound
 of stone, for cor. of secs. 7, 8, 17 and frac. sec. 18, with
 brass cap, marked
 T 21 N S 7 in NW.,
 R 21 W S 8 in NE.,
 S 17 in SE., and
 S 18 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. in the
 ground.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.

East, on a random line, bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. and S. line 9 lks. S. of the cor. of secs.
 8, 9, 16 and 17.
 Thence I run
 S. $89^{\circ}56'$ W., on a true line, bet. secs. 8 and 17,
 over mountainous land.

Chains

10.80 Ravine, 125 lks. wide, 30 ft. deep, course S.
 14.80 Ravine, 100 lks. wide, course S.; depth, 20 ft.
 27.50 N. point of butte. Desc. W. slope.
 39.00 Wash, 2.00 chs. wide, course SW.
 40.02 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 8 in N. half,
 S 17 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 46.20 Ravine, 3.00 chs. wide, 30 ft. deep, course S. $22\frac{1}{2}^{\circ}$ W.
 80.04 The cor. of secs. 7, 8, 17 and frac. sec. 18.
 Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.

Knowing that a closing cor. will be necessary on the W. bdy.
 of the Tp., I run
 West, on a true line, bet. sec. 7, and frac. sec. 18.
 Asc. E. slope.

2.20 Spur extends S. Desc. W. slope.
 4.85 Ravine, course SW. Line runs along S. slope.
 7.85 Canyon, course S.; asc. over broken E. slope.
 15.60 Top of butte; desc. broken W. slope.
 26.00 Draw, 170 ft. below top of butte, course N. $67\frac{1}{2}^{\circ}$ W.; line
 runs along N. slope.
 35.00 Top of butte, 140 ft. above draw; desc. broken W. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 7 in N. half,
 S 18 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor. Impracticable to dig pits or set cor. in
 the ground.
 47.50 Ravine, 5.00 chs. wide, 40 ft. deep, course S. $22\frac{1}{2}^{\circ}$ W.
 50.00 Top of spur extends S.; desc. W. slope.
 51.50 Ravine, 3.00 chs. wide, 50 ft. deep, course S.
 66.50 Draw, 2.00 chs. wide, 10 ft. deep, course SW.
 70.00 Sand ridge bears N. 70° E. and S. 70° W.; then along N. slope.
 74.92 Road bears N. and S.
 83.83 Intersect W. bdy. of Tp. 15.75 chs. S. of cor. of frac. secs.
 12 and 13, frac. T. 21 N., R. 22 W., described in Book "A."
 At point of intersection
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for closing cor. of secs. 7, and frac. sec. 18, with
 brass cap, marked
 T 21 N. S 13 R 22 W in W. half,
 CC in E. half,
 T 21 N S 7 in NE., and
 S 18 R 21 W in SE. quadrant; and
 1915 in S. rim;
 dig pits, 24x18x12 ins., crosswise on each line, N. and
 S., 3 ft., and E. of post, 7 ft. dist.; and raise a mound
 of earth, 4 ft. base, 2 ft. high, E. of cor.
 Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber.

Apr. 6, 1915.

Apr. 9, 1915. From cor. of secs. 7, 8, 17 and frac. sec. 18,
 N. $0^{\circ}03'$ W., bet. secs. 7 and 8.
 Asc. S. slope of ridge, over mountainous land.
 5.00 Top of ridge bears E. and W. Desc. along E. slope.
 19.15 Ravine, 260 ft. below ridge, 2.00 chs. wide, 60 ft. deep,
 course NW.

Chains

21.40 Canyon, course W.; Asc. S. slope of ridge.
 36.65 Top of ridge bears E. and W.; Desc. N. slope.
 40.00 On N. slope of ridge,
 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
 stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ in N.,
 S 7 in W., and
 S 8 in E. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Impracticable to dig pits or set cor. in ground.
 49.70 Ravine, 2.00 chs. wide, 20 ft. deep, course N. $67\frac{1}{2}^{\circ}$ W.
 59.70 Asc. S. slope of butte.
 62.70 Top of butte; desc. N. slope.
 74.25 Wash, 20.00 chs. wide, course W.
 80.00 In wash,
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 5, 6, 7 and 8, with brass cap,
 marked
 T 21 N S 6 in NW.,
 R 21 W S 5 in NE.,
 S 8 in SE., and
 S 7 in SW. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, mountainous.
 Soil, rocky and gravelly; 4th rate.
 No timber.

 East, on a random line, bet. secs. 5 and 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. and S. line 10 lks. S. of the cor. of secs.
 4, 5, 8 and 9.
 Thence I run
 S. $89^{\circ}56'$ W., on a true line, bet. secs. 5 and 8.
 Desc. W. slope of ridge.
 5.00 Ft. of slope. Thence
 Enter a broad wash, drainage West.
 39.97 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 5 in N half,
 S 8 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 Continue in wash.
 50.00 Leave wash; N. bank bears N. 70° E. and S. 70° W.; asc. E.
 slope of ridge.
 59.20 Top of ridge bears S. $67\frac{1}{2}^{\circ}$ W. and N. $67\frac{1}{2}^{\circ}$ E.; desc. W. slope.
 62.00 Mouth of wash, 2.00 chs. wide, course SW.; asc. SE. slope.
 63.30 Top of sand ridge bears N. $67\frac{1}{2}^{\circ}$ E., and S. $67\frac{1}{2}^{\circ}$ W.; desc. NW.
 slope.
 65.00 Ft. of slope, Enter same wash, 20.00 chs. wide, course
 N. 70° W. Thence down bed of same.
 79.94 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling mountainous.
 Soil, gravelly and rocky; 4th rate.
 No timber.

 Knowing that a closing cor. will be necessary on the W. bdy.,
 I run
 West, on a true line, bet. secs. 6 and 7.
 Asc. E. slope of sand ridge.
 5.00 Top of ridge, bears N. and S.; desc. W. slope.
 27.90 Draw, 5.00 chs. wide, 30 ft. deep, course S. $67\frac{1}{2}^{\circ}$ W.

Chains.

35.00 Line runs along S. slope of sand ridge.
 40.00 On SW. slope of sand ridge,
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 6 in N. half,
 S 7 in S. half; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 57.00 Top of sand ridge, bears NE. and SW.; desc. W. slope.
 65.00 Wash, 5.00 chs. wide, course NW.
 70.00 Asc. along NE. slope of ridge.
 80.00 Ridge bears NW. and SE.; desc. broken SW. slope.
 83.74 Intersect W. bdy. of Tp., 15.83 chs. S. of the cor. of fracl.
 secs. 1 & 12, T. 21 N., R. 22 W. as described in Book "A."
 At point of intersection
 Set an iron post, 3 ft. long, 2 ins. diam., in a mound of
 stone, for closing cor. of secs. 6 and 7, with brass
 cap, marked
 T 21 N S 12 R 22 W in W. half,
 CC in E. half,
 T 21 N S 6 in NE., and
 S 7 R 21 W in SE. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 E. of cor.
 Land, rolling mountainous.
 Soil, sandy and rocky; 4th rate.
 No timber.

Knowing that a closing cor. will be necessary on the N.
 bdy. of Tp., I run,
 N. $0^{\circ}03'W.$, on a true line, bet. secs. 5 and 6.
 over rolling mountainous land.

28.00 Draw, 3.00 chs. wide, 15 ft. deep, course W.
 32.60 Wash, 5.00 chs. wide, course W.
 32.70 Road from mine to mill on Colorado river bears E. and W.
 36.05 Road to mill on river bears E. and W.
 40.00 In wash,
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 6 in N. half,
 S 7 in S. half, and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 From cor. old mine shaft house bears S. $89^{\circ}E.$, 14.00 chs.
 dist.
 41.00 Wash, 7.50 chs. wide, course W.
 55.00 Wash, 5.00 chs. wide, course W.
 62.00 Wash, 6.00 chs. wide, course W.
 77.20 Wash, 4.00 chs. wide, course W.
 91.50 Wash, 7.00 chs. wide, course SW.
 95.61 Intersect N. bdy. of Tp., 3.66 chs. E. of the cor. of secs.
 31 & 32, T. 22 N., R. 21 W., described in Book "A."
 At point of intersection
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for closing cor. of secs. 5 and 6, with
 brass cap, marked
 T 22 N R 21 W S 32 in N. half,
 CC in S. half,
 S 6 T 21 N in SW., and
 S 5 R 21 W in SE. quadrant; and
 1915 in S. rim;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 S. of cor.

Land, rolling mountainous.
 Soil, rocky and gravelly; 4th rate. No timber. Apr. 9, 1915.
 T. O. J.

Chains

Meanders of the Left Bank of Colorado River,--Upstream.

T. O. J.

Apr. 1, 1915.

I commence at the standard meander cor. on S. bdy. of frac. sec. 31, described in Book "B".

At this cor., I set off 35° 9 1/2' on the lat. arc; and 4° 23' N. on the decl. arc; and at 1h.00m p.m., l.m.t., determine a meridian with the solar.

Thence I run with meanders on W. bdy. of frac. sec. 31. over level land, through dense undergrowth.

N. 16° E. 1.20 chs. Bank 8 ft. high.

N. 21 1/2° E. 2.20 chs.

N. 15° E. 1.00 ch. Bank 12 ft. high.

N. 10 1/2° E. 2.40 chs. Bank 5 ft. high.

N. 17 1/4° E. 2.00 " Bank 12 ft. high.

N. 10° E. 5.90 "

N. 20 1/2° E. 2.30 "

N. 12° E. 5.00 "

N. 6 1/2° E. 4.50 " At 2.10 chs. on this course, U. S. G. S. bench mark, which is a 3 inch iron post, with brass cap, marked "Elev. 5.21 Datum Y", bears E., 2.49 chs. distant.

N. 7 1/2° E. 4.90 " Bank 8 ft. high.

N. 6 1/4° E. 8.90 "

N. 2 1/2° E. 5.30 "

N. 4° E. 7.00 "

N. 3 3/4° E. 3.00 "

N. 13 1/2° E. 3.00 "

N. 4 1/4° W. 2.79 "

N. 5 3/4° W. 6.10 "

N. 14 3/4° E. 6.60 "

N. 4 1/2° W. 4.60 "

N. 0 1/2° E. 2.43 " To the meander cor. of frac. secs. 30 and 31.

Land, level river bottom.

Soil, sandy loam; 2nd rate.

No timber.

Undergrowth, mesquite, willow, sage and arrowweed.

Apr. 1, 1915.

Apr. 2, 1915.

At the meander cor. of frac. secs. 30 and 31, I set off 35° 10' on the lat. arc; and 4° 42' N. on the decl. arc; and at 9h 00m a.m., l.m.t., determine a meridian with the solar.

Thence with meanders on W. bdy. of frac. sec. 30. through dense undergrowth.

N. 3° E. 10.90 chs. Bank 12 ft. high.

N. 8 1/2° W. 2.50 chs.

N. 1 3/4° E. 10.40 " Bank 8 ft. high.

N. 2 1/2° W. 15.40 "

N. 3 1/2° W. 6.20 "

N. 2° E. 5.70 "

N. 3 1/4° W. 2.20 "

N. 1 3/4° W. 9.90 "

N. 3 1/4° E. 14.00 " Leave dense brush; thence through scattering brush.

N. 8 1/2° E. 3.15 " To meander cor. of frac. secs. 19 and 30.

Land, level.

Soil, sandy loam; 2nd. rate.

No timber.

Undergrowth, mesquite, sage, willow, greasewood and arrowweed.

At this meander cor. I set off 4° 45' N. on the decl. arc; and at 12h 04m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 35° 11'.

Apr. 2, 1915.

Meanders of the Left Bank of Colorado River,--Upstream.

Thence on W. bdy. of fractional sec. 19.

Apr. 5, 1915.

At the meander cor. of frac. secs. 19 and 30, I set off 35°11' on the lat. arc; and 5°57' N. on the decl. arc; and at 3h 00m p.m., l.m.t., determine a meridian with the solar.

Thence with meanders on W. bdy. of frac. sec. 19.

Over level land, through scattering undergrowth.

N. 9 $\frac{1}{4}$ ° W.	10.25	chs.	Enter dense undergrowth.
North.	5.00	"	Bank 12 ft. high.
N. 3 $\frac{1}{4}$ ° W.	2.50	"	
N. 7 $\frac{1}{2}$ ° W.	4.90	"	
N. 10 $\frac{1}{4}$ ° W.	7.20	"	
N. 21 $\frac{1}{4}$ ° W.	1.60	"	
N. 6 $\frac{1}{4}$ ° W.	3.40	"	
N. 41 3/4° W.	2.00	"	
N. 10° E.	1.60	"	
N. 15 $\frac{1}{2}$ ° W.	4.80	"	
N. 35° W.	1.90	"	
N. 11 $\frac{1}{2}$ ° W.	4.50	"	
N. 10 $\frac{1}{2}$ ° W.	5.10	"	
N. 4 $\frac{1}{2}$ ° W.	7.20	"	
N. 36° W.	3.50	"	
N. 4 3/4° W.	6.40	"	
N. 10 $\frac{1}{4}$ ° W.	4.10	"	
N. 24 $\frac{1}{4}$ ° W.	1.10	"	Undergrowth becomes scattering. Enter
N. 13 $\frac{1}{2}$ ° W.	1.60	"	mountainous land.
N. 9° E.	1.60	"	
N. 13 3/4° E.	2.50	"	To the meander cor. of frac. secs. 18 and 19.

Land, level and mountainous.

Soil, rocky; 4th rate, on mountainous land, and sandy, 3rd and 4th rate, on level land.

No timber.

Undergrowth, mesquite, willow and greasewood.

Apr. 5, 1915.

Apr. 8, 1915.

At the meander cor. of frac. secs. 18 and 19, I set off 35°12' on the lat. arc; and 7°04' N. on the decl. arc; and at 2h 30m p.m., l.m.t., determine a meridian with the solar.

Thence I run with meanders on W. bdy. of frac. sec. 18. along rocky W. slope, through scattering undergrowth.

N. 21 $\frac{1}{4}$ ° E.	4.00	chs.	
N. 0 $\frac{1}{4}$ ° W.	6.60	"	
N. 38 $\frac{1}{2}$ ° E.	3.90	"	Enter dense undergrowth. Line runs along cliffs, 100 ft. high.
N. 24° W.	14.60	"	To the meander cor. of frac. secs. 13, and 18, on W. bdy. of frac. sec. 18, as described in Book "A".

Land, level and mountainous.

Soil, sandy and rocky; 4th rate.

No timber.

Undergrowth, willow and arrow-weed.

Apr. 8, 1915.

T. O. J.

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

GENERAL DESCRIPTION

This township consists of rough rolling mountainous land in southern and extreme northern parts, with a range of low mountains traversing the township from east to west, in the north central part.

The soil is very rocky, gravelly, and non-productive, the only vegetation being desert growth such as greasewood, and cactus. A narrow strip along the Colorado river, in sections 30 and 31, has fairly good soil, and with irrigation, would be productive.

The township contains no water except the Colorado river.

There are no settlers. More or less prospecting for mineral has been done, but apparently no paying values discovered.

W. J. Surveron.

T. J. Brannigan.

BOOK 3139

FOR CERTIFICATES OF UNITED STATES SURVEYOR.
UNITED STATES TRANSITMAN
See Book "C"

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, *March 9*, 1918.

The foregoing field notes of the survey of _____ the
SUBDIVISION LINES, and the
MEANDERS OF THE LEFT BANK OF THE COLORADO RIVER, WITHIN
TOWNSHIP 21 NORTH, RANGE 21 WEST,

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

executed by Theo. O. Johnston, U. S. Surveyor, and Edward O. Lyman, U. S. Transitman, under his special instructions dated January 6, 1915, for Group 44, _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

of Arizona.

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

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