

3004

Book "A"

4-679

BOOK 3004

FIELD NOTES

OF THE SURVEY OF THE

COMPLETION OF THE SUBDIVISION LINES,

RETRACEMENT AND RESURVEY OF

THE WEST AND NORTH BOUNDARIES,

AND RETRACEMENT

OF

ONE MILE OF THE EAST BOUNDARY AND PART OF THE SUBDIVISION

OF

TOWNSHIP 19 SOUTH, RANGE 22 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona,

EXECUTED BY

Ralph Gentry and Hargraves Wood,

In the capacity of U. S. Surveyors, under instructions dated October 7, 1915,

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

Group No. 63, which were approved by the Commissioner of the General Land

Office, October 28, 1915.

Survey Commenced February 14, 1916.

Survey Completed February 23, 1916.

Excused under Assignment
Instructions dated Feb. 1, 1916.

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Book "A"

Group 63 - - Arizona.

BOOK 3004

INDEX DIAGRAM.

	<i>Township</i> 19 South				<i>Range</i> 22 East						
	8 and 10	7 and 10	7 and 9	7 and 9	7 and 8	7 and 8					
2 and 6	6	26	5	24	4	22	3	20	2	18	1
	26		25		23		21		19		17
2 and 5	7	25	8	23	9	21	10	19	11	17	12
	16		15		15		14		14		13
2 and 5	18	24	17	22	16	20	15	18	14	15	13
	13		12		12		12		11		11
2 and 4	19		20		21		22		23		24
1 and 3	30		29		28		27		26		25
1 and 2	31		32		33		34		35		36

- Surveyed under this group--notes in this book.(3004)
- Retraced or resurveyed under this group--notes in this book.
(3004)
- Surveyed under this group---notes in Book "B".(3005)
- Resurveyed under this group--notes in Book "B".(3005)
- Accepted surveys.

Retracement and Resurvey of W. and N. Bdrs.,
Retracement of One Mile of E. Bdy.,
Retracement of Part of Subdivisional Lines, and
Completion of Subdivision,
T. 19 S., R. 22 E.

BOOK 3004

15

Chains

31 Work executed jointly on dates shown on diagram on page 39 of this book, by U. S. Surveyors Ralph Gentry and Hargraves Wood, using Buff and Buff transits Nos. 8028 and 9223 respectively. Both instruments are equipped with solar attachments. The horizontal limbs are provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs. Instruments were approved by the Assistant Supervisor of Surveys, District No. 5, subject to satisfactory field tests, a record of which follows herein, on Feb. 1st, 1916.

Field tests of Solar Transits.

Feb. 13, 1916.

Both instruments were set up at camp, near the $\frac{1}{4}$ sec. cor. bet. secs. 16 and 21, in T. 19 S., R. 22 E., lat. $31^{\circ}46'$ N., long. $110^{\circ}06'$ W., the level and collimation adjustments examined, and errors corrected. Then, at 4h 00m, p.m., l.m.t., we set off $31^{\circ}46'$ on the lat. arcs, and $13^{\circ}30'$ S. on the decl. arcs, and determine meridians with the solars; marking points in the same by tacks driven in wooden stakes firmly set in the ground 5 chs. N. of our stations.

At 9h 55m, p.m., l.m.t., we observe Polaris at western elongation, in accordance with instructions in the Manual, and mark points in the lines thus determined by tacks driven in wooden stakes firmly set in the ground W. of the points set by the solars.

Feb. 14, 1916.

At 7h 50m, a.m., we turn off the azimuth of Polaris $1^{\circ}20'$ to the E., and mark the meridian thus determined by a tack driven in a wooden stake along side of these set by the solars.

At 8h 00m, a.m., l.m.t., we set off $31^{\circ}46'$ on the lat. arcs, and $13^{\circ}17'$ S. on the decl. arcs. and determine meridians with the solars.

The a.m. and p.m. solar observations above described with both instruments, agree within less than one minute of arc with the meridians established by the Polaris observations. It is therefore concluded that the adjustments are satisfactory.

The magnetic bearing of the true meridian, at 8h 00m, a.m. is N. $13^{\circ}30'$ W. The angle thus determined gives for the magnetic declination, $13^{\circ}30'$ E.

Retracement of W. bdy., T. 19 S., R. 22 E.

I begin at the old cor. of Ts. 19 and 20 S., Rs. 21 and 22 E., which is a mesquite post, 4 ins. square, $2\frac{1}{2}$ ft. above ground, marked and witnessed as described by the Surveyor General.

40.17 Thence north, on a random line, bet. secs. 31 and 36. Fall 10 lks. W. of the old $\frac{1}{4}$ sec. cor., which is a lava stone, 6x6x6 ins. above ground, marked and witnessed as described by the Surveyor General.

Therefore the true course and dist. for this half mile is N. $0^{\circ}09'$ E., 40.17 chs.

Chains

- Thence North, on a random line, bet. N. halves of secs. 31 and 36.
- 40.16 The old cor. of secs. 25, 30, 31 and 36, which is a limestone, 6x6x4 ins. above ground, marked and witnessed as described by the Surveyor General, bears E., 19 lks. dist.
- Therefore the true course and distance for this half mile is N.0°16'E., 40.16 chs.
-
- North, on a random line, bet. secs. 25 and 30.
- 40.14 Fall 14 lks. W. of the old $\frac{1}{4}$ sec. cor., which is a limestone, 6x6x4 ins. above ground, marked and witnessed as described by the Surveyor General.
- Therefore the true course and distance for this half mile is N.0°12'E., 40.14 chs.
-
- Thence North, on a random line, bet. N. halves of secs. 25 and 30.
- 40.27 Fall 19 lks. W. of the old cor. of secs. 19, 24, 25 and 30, which is a limestone, 8x6x6 ins. above ground, marked and witnessed as described by the Surveyor General.
- Therefore the true course and distance for this half mile is N.0°16'E., 40.27 chs.
-
- North, on a random line, bet. secs. 19 and 24.
- 39.94 Fall 5 lks. E. of the old $\frac{1}{4}$ sec. cor., which is a limestone, 6x6x6 ins. above ground, marked and witnessed as described by the Surveyor General.
- Therefore the true course and distance for this half mile is N.0°04'W., 39.94 chs.
-
- Thence North, on a random line, bet. N. halves of secs. 19 and 24.
- 40.23 Fall 34 lks. W. of the old cor. of secs. 13, 18, 19 and 24, which is a limestone, 8x8x6 ins. above ground, marked and witnessed as described by the Surveyor General.
- Therefore the true course and distance for this half mile is N.0°29'E., 40.23 chs.
-
- Continuing my random line N., I find one of the old cors. missing and part of the line out of allowable limits in alinement; and at 240.63 chs. fall 106 lks. W. of the cor. of T^s 18 and 19 S., R^s. 21 and 22 E., identified by four partly filled pits, the cor. post having disappeared. As there are no subdivisional lines tied to these three miles of range line, it is subject to rectification, and I therefore connect the cor. of secs. 13, 18, 19 and 24 by a right line with the Tp. cor., resurveying this line, the true bearing of which is N.0°15'E., as hereinafter described.

Resurvey of W. Bdy., T. 19 S., R. 22 ^EW.

From the cor. of T^s. 19 and 20 S., R^s. 21 and 22 E., hereinbefore described;

N.0°09'E., on a true line, on W. bdy. of sec. 31,

Resurvey of W. Bdy., T. 19 S., R. 22 W.

Chains

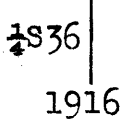
7.69 over rolling land, through medium growth of underbrush.
 E. P. & S. W. R. R. track bears NE. and S. 80°45'W.; on curve.

8.42 Telegraph line bears N. 80°45'E. and S. 80°45'W.

21.42 Wash, 15 lks. wide, 6 ft. deep, course SW.

36.73 Telephone line bears N. 68°E. and S. 68°W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., of sec. 36, marked on brass cap,



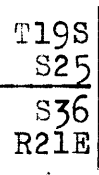
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

40.17 The old $\frac{1}{4}$ sec. cor., hereinbefore described, which will henceforth pertain solely to sec. 31.

2.86 Thence N. 0°16'E., on W. bdy. of N. half of sec. 31.
 Road from Tombstone to Fairbank bears E. and W.

18.76 Wash, 15 lks. wide, 3 ft. deep, course W.

39.83 (80.00 chs. N. of the Tp. cor.)
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 25 and 36, marked on brass cap



1916

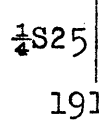
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

40.16 The old cor. of secs. 25, 30, 31 and 36, hereinbefore described, which will henceforth pertain solely to secs. 30 and 31.

Land, rolling; general drainage W.
 Soil, light sandy loam and coarse gravel; 2nd and 3rd rate.
 No timber.
 Undergrowth, greasewood, sage and chaparral.

28.11 N. 0°12'E., on W. bdy. of sec. 30,
 over rolling land, through medium undergrowth.
 Wash, course N. 70°W.

39.67 (40.00 chs. N. of the cor. of secs. 25 and 36)
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 25, with brass cap, marked



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

40.14 The old $\frac{1}{4}$ sec. cor., hereinbefore described, which will henceforth relate solely to sec. 30.

1.73 Thence N. 0°16'E., on W. bdy. of N. half of sec. 30.
 Old road bears E. and W.

4.96 Old road bears NW. and SE.

11.50 Enter wash, bank 25 ft. high, course NW.

23.70 Leave same, bank 18 ft. high, course W.

34.42 Wash, 40 lks. wide, 5 ft. deep, course W.

Resurvey of W. Bdy., T. 19 S., R. 22 E.

Chains

39.53 (80.00 chs. N. of the cor. of secs. 25 and 36)
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
the ground, for cor. of secs. 24 and 25; with brass cap,
marked

T19S
S24

S25
R21E

1916

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

40.27 The old cor. of secs. 19, 24, 25 and 30, hereinbefore
described, which will henceforth pertain solely to secs.
19 and 30.

Land, rolling; general drainage W.
Soil, light sandy loam and coarse gravel; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, mesquite and chaparral.

13.77 N.0°04'W., on W. bdy. of sec. 19,
over rolling land, through medium undergrowth.
Road from Tombstone to Benson bears N.20°W. and S.20°E.

39.26 (40.00 chs. N. of the cor. of secs. 24 and 25)
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¼ sec. cor. of sec. 24, with brass cap,
marked

¼S24

1916

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

39.94 The old ¼ sec. cor., hereinbefore described, which will
henceforth pertain solely to sec. 19.

39.32 Thence N.0°29'E., on W. bdy. of N. half of sec. 19.
(80.00 chs. N. of the cor. of secs. 24 and 25)

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
the ground, for cor. of secs. 13 and 24, with brass cap,
marked

T19S
S13

S24
R21E

1916

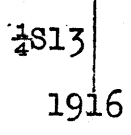
and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.

40.23 The old cor. of secs. 13, 18, 19 and 24, hereinbefore des-
cribed, which will henceforth pertain solely to secs.
18 and 19.

Land, rolling; drainage W.
Soil, light sandy loam and gravel; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, mesquite and chaparral.

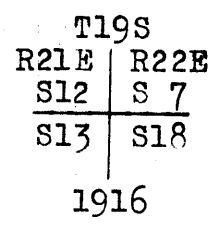
Chains

11.53 N.0°15'E., bet. secs.13 and 18,
 15.63 over rolling land, through medium undergrowth. Asc.
 39.09 gradually.
 Top of hill bears E. and W. Desc. gradually.
 Ft. of slope. Grassy swale, draining W.
 (40.00 chs. N. of the cor. of secs. 13 and 24)
 Reestablish the 1/4 sec. cor. of secs. 13 and 18, by set-
 ting an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, marked on brass cap,



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 W. of cor.
 I destroy the old 1/4 sec. cor., which is a stone, marked
 and witnessed as described by the Surveyor General,
 108 lks. N. and 3 lks. W. of the reestablished 1/4 sec.
 cor.

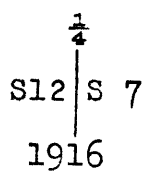
Asc. gradual slope.
 51.63 Top of low ridge bears E. and W. Desc. gradually.
 75.63 Swale, draining W.
 79.09 (80.00 chs. N. of the cor. of secs. 13 and 24)
 Reestablish the cor. of secs. 7, 12, 13 and 18, by set-
 ting an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
 the ground, marked on brass cap,



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 W. of cor.
 I destroy the old cor. of secs. 7, 12, 13 and 18, which is
 a stone, marked and witnessed as described by the Sur-
 veyor General, 121 lks. N. of the reestab-
 lished cor.

Land, rolling; drainage W.
 Soil, light sandy loam and fine gravel; 2nd and 3rd rate.
 No timber.
 Undergrowth, greasewood, mesquite and chaparral.

26.54 N.0°15'E., bet. secs. 7 and 12,
 40.00 over rolling land, through medium undergrowth.
 Bottom of grassy swale, draining W.
 Reestablish 1/4 sec. cor. by setting an iron post, 3 ft.
 long, 1 in. diam., 26 ins. in the ground, marked on
 brass cap



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 I destroy the old 1/4 sec. cor., which is a stone, marked and
 witnessed as described by the Surveyor General, 137 lks.
 N. and 1 1/2 lks. W. from the reestablished 1/4 sec. cor.

46.54 Enter scattering mesquite growth, bearing E. and W.
 71.50 Leave same, bearing E. and W.
 80.00 Reestablish the cor. of secs. 1, 6, 7 and 12 by setting
 an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the
 ground, marked on brass cap,

Chains

T19S	
R21E	R22E
S1	S6
S12	S 7

1916

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
The old cor. of secs. 1, 6, 7 and 12 is missing.

Land, rolling; general drainage W.
Soil, light sandy loam and gravel; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, mesquite and sage.

N.0°15'E., bet. secs. 1 and 6,
over rolling land, through medium undergrowth.

31.24
37.94
40.00

Enter wash, bank 21 ft. high, course W.
Leave same, bank 5 ft. high.
Reestablish $\frac{1}{4}$ sec. cor. by setting an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, marked on brass cap,

$\frac{1}{4}$	
S1	S6

1916

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

I destroy the old $\frac{1}{4}$ sec. cor., which is a stone, 7x6x5 ins. above ground, marked and witnessed as described by the Surveyor General, 157 lks. N. and 15 lks. E. of the reestablished $\frac{1}{4}$ sec. cor.

44.04
69.04
70.50
75.50
81.54

Wash, 75 lks. wide, 5 ft. deep, course W. Heavy growth of mesquite along banks.

Old road bears E. and W.

Desc. 35 ft.

Deep wash, 70 lks. wide, course W.

The old cor. of Ts. 18 and 19 S., Rs. 21 and 22 E., hereinbefore described. I reestablish cor. by setting an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, marked on brass cap

T18S	
R21E	R22E
S36	S31
S1	S6

T19S

1916

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

Land, rolling; drainage, W.

Soil, light sandy and gravelly loam; 2nd and 3rd rate.
No timber.

Undergrowth, greasewood, sage, mesquite and chaparral.

Chains

- I begin at the cor. of Ts. 18 and 19 S., Rs. 22 and 23 E., which is a mesquite post, 6 ins. square, 4 ft. long, set in a mound of stone 4 ft. base, $2\frac{1}{2}$ ft. high, marked and witnessed as described by the Surveyor General.
- 40.15 Thence West, on a random line, bet. secs. 1 and 36. Intersect the $\frac{1}{4}$ sec. cor., identified by mound of earth and stone, the post being missing.
- 80.17 Intersect cor. of secs. 1, 2, 35 and 36, which is a mesquite post, 4 ins. square, set in a mound of stone, marked and witnessed as described by the Surveyor General.
-
- 40.05 West, on a random line, bet. secs. 2 and 35. Fall 3 lks. N. of the $\frac{1}{4}$ sec. cor., which is a mesquite post, 3 ins. square, $2\frac{1}{2}$ ft. above ground, marked and witnessed as described by the Surveyor General.
- Therefore the true course and distance for this half mile is S. $89^{\circ}58'$ W., 40.05 chs.
-
- 40.02 Thence West, on a random line, bet. W. halves of secs. 2 and 35. Fall 12 lks. S. of the cor. of secs. 2, 3, 34 and 35, identified by old mound; the cor. post is missing.
- Therefore the true course and distance for this half mile is N. $89^{\circ}50'$ W., 40.02 chs.
-
- 40.08 West, on a random line, bet. secs. 3 and 34. Fall 7 lks. S. of the old $\frac{1}{4}$ sec. cor., which is a mesquite post, 2 ins. square, 2 ft. above ground, marked and witnessed as described by the Surveyor General.
- Therefore the true course and distance for this half mile is N. $89^{\circ}54'$ W., 40.08 chs.
-
- 39.96 Thence West, on a random line, bet. W. halves of secs. 3 and 34. Fall 6 lks. S. of the cor. of secs. 3, 4, 33 and 34, which is a mesquite post, 4 ins. square, 3 ft. long, lying on the ground, marked and witnessed as described by the Surveyor General.
- Therefore the true course and distance for this half mile is N. $89^{\circ}55'$ W., 39.96 chs.
-
- 40.07 West, on a random line, bet. secs. 4 and 33. Fall 3 lks. S. of the $\frac{1}{4}$ sec. cor., which is a mesquite post, marked and witnessed as described by the Surveyor General.
- Therefore the true course and distance for this half mile is N. $89^{\circ}58'$ W., 40.07 chs.
-
- 40.00 West, on a random line, bet. W. halves of secs. 4 and 33. Fall 6 lks. S. of the old cor. of secs. 4, 5, 32 and 33, identified by the old mound; the cor. post being missing.
- Therefore the true course and distance for this half mile is N. $89^{\circ}55'$ W., 40.00 chs.
-
- 40.04 West, on a random line, bet. secs. 5 and 32. Fall 7 lks. S. of the $\frac{1}{4}$ sec. cor., identified by mound of earth; the cor. post being missing.
- Therefore the true course and distance for this half mile is N. $89^{\circ}54'$ W., 40.04 chs.

Retracement of N. bdy., T. 19 S., R. 22 E.

Chains

40.04 West, on a random line, bet. W. halves of secs. 5 and 32.
Fall 6 lks. S. of the cor. of secs. 5, 6, 31 and 32,
identified by old mound; the cor. post being missing.

Therefore the true course and distance for this half
mile is N.89°55'W., 40.04 chs.

40.04 West, on a random line, bet. secs. 6 and 31.
Fall 5 lks. S. of $\frac{1}{4}$ sec. cor., which is a post, marked
and witnessed as described by the Surveyor General.

Therefore the true course and distance for this half mile
is N.89°56'W., 40.04 chs.

39.18 West, on a random line, bet. W. halves of secs. 6 and 31.
Fall 2 lks. S. of the cor. of Ts. 18 and 19 S., Rs. 21
and 22 E., reestablished as hereinbefore described.

Therefore the true course and distance for this half mile
is N.89°58'W., 39.18 chs.

Resurvey of N. bdy., T. 19 S., R. 22 E.

From the cor. of Ts. 18 and 19 S., Rs. 22 and 23 E.,
hereinbefore described;

West, on a true line, bet. secs. 1 and 36,
over rolling land, through medium undergrowth.

.75 Enter wash, course SW.
3.00 Leave same.
6.00 Low spur, sloping SW. Desc. gradually.
15.00 Draw, course SW. Asc. gradually.
25.00 Low spur, sloping SW. Desc. gradually.
36.00 Draw, course SW. Asc. gradually.
40.15 The $\frac{1}{4}$ sec. cor., hereinbefore described, which I reestab-
lish by setting an iron post, 3 ft. long, 1 in. diam.,
26 ins. in the ground, marked on brass cap,

$\frac{1}{4}$ S36
S 1
1916

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

41.15 Low spur, sloping SW.
48.70 Deep draw, course SW. Asc. 50 ft.
54.00 Summit of ascent bears NE. and SW. Desc. gradually.
75.00 Deep draw, course SW. Asc. gradually.
80.17 The cor. of secs. 1, 2, 35 and 36, hereinbefore described.

Land, rolling.
Soil, light sandy loam and gravel; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, chaparral and sage.

S.89°58'W., bet. secs. 2 and 35,
over rolling land, through medium undergrowth, ascending
gradually.

15.00 Top of rise bears NE. and SW. Desc. gradually.
21.00 Deep draw, course SW. Asc.
27.50 Low spur, sloping SW. Desc.

Resurvey of N. Hdy. T. 19 S. R. 22 E. 19

Chains

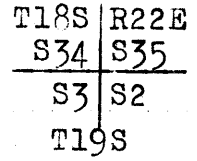
32.80
40.05

Deep draw, course SW. Asc. gradually.
The 1/4 sec. cor., hereinbefore described.

Thence N.89°50'W., bet. W. halves of secs. 2 and 35.

2.00
14.75
32.25
40.02

Low spur, sloping SW. Desc. gradually.
Deep draw, course SW. Thence over more gently rolling land.
Wash, 30 lks. wide, 5 ft. deep, course S.15°W.
The old cor. of secs. 2, 3, 34 and 35, hereinbefore described; which I reestablish by setting an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, marked on brass cap



1916

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

Land, rolling; general drainage SW.
Soil, light sandy loam and gravel; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, sage and chaparral.

40.08

N.89°54'W., bet. secs. 3 and 34,
over rolling land, through medium undergrowth.
The 1/4 sec. cor., hereinbefore described.

1.92
39.96

Thence N.89°55'W., bet. W. halves of secs. 3 and 34.
Wash, 20 lks. wide, 2 ft. deep, course SW.
The old cor. of secs. 3, 4, 33 and 34, hereinbefore described; which I reconstruct as described by the Surveyor General in the original notes.

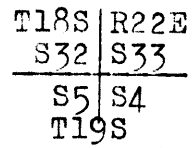
Land, rolling; drainage SW.
Soil, light sandy and gravelly loam; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, sage and chaparral.

13.30
40.07

N.89°58'W., bet. secs. 4 and 33,
over rolling land, through medium undergrowth.
Wash, 150 lks. wide, course SW. Depth, 3 ft.
The 1/4 sec. cor., hereinbefore described.

15.00
40.00

Thence N.89°55'W., bet. W. halves of secs. 4 and 33.
Bottom of swale, draining SW.
The cor. of secs. 4, 5, 32 and 33, hereinbefore described, which I reestablish by setting an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap, marked



1916

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

Land, rolling; drainage SW.
Soil, light sandy loam and gravel; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, sage and chaparral.

10

Resurvey of N. Bdy., T. 19 S., R. 22 E.

Chains

N.89°54'W., bet. secs. 5 and 32,
 over rolling land, through medium undergrowth.
 14.45 Bottom of swale, draining SW.
 40.04 The $\frac{1}{4}$ sec. cor., hereinbefore described, which I reestablish by setting an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, marked on brass cap

$$\frac{1}{4} \frac{S32}{S5}$$

1916

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

6.86 Thence N.89°55'W., bet. W. halves of secs. 5 and 32.
 40.04 Wash, 60 lks. wide, 4 ft. deep, course S.60°W.
 The cor. of secs. 5, 6, 31 and 32, hereinbefore described; which I reestablish by setting an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, marked on brass cap

T18S	R22E
S31	S32
S6	S5
T19S	

1916

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

Land, rolling; general drainage SW.
 Soil, light sandy and gravelly loam; 2nd and 3rd rate.
 No timber.
 Undergrowth, greasewood, sage and chaparral.

N.89°56'W., bet. secs. 6 and 31,
 over rolling land, through medium undergrowth.
 17.50 Wash, 35 lks. wide, 5 ft. deep, course SW.
 40.04 The $\frac{1}{4}$ sec. cor., hereinbefore described.

6.06 Thence N.89°58'W., bet. W. halves of secs. 6 and 31.
 21.96 Wash, 20 lks. wide, 4 ft. deep, course SW.
 26.36 Old road bears NE. and SW.
 39.18 Wash, 50 lks. wide, 15 ft. deep, course S.75°W.
 The reestablished cor. of Ts. 18 and 19 S., Rs. 21 and 22 E., hereinbefore described.

Land, rolling; general drainage, SW.
 Soil, light sandy loam and gravel; 2nd and 3rd rate.
 No timber.
 Undergrowth, greasewood, sage and chaparral.

Retracement of E. Bdy. of Sec. 13, T. 19 S., R. 22 E.

I begin at the cor. of secs. 13, 18, 19 and 24, on E. bdy. of Tp., which is a granite stone, 6x6x6 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence, NORTH, on a random line, bet. secs. 13 and 18.
 over level land, through undergrowth.
 3.60 Wash, 90 lks. wide, 4 ft. deep, course S.75°W.

Retracement of E. Bdy. of Sec. 13, T. 19 S., R. 22 E. 11

Chains
 4.70 Asc. gradually.
 6.00 Summit of ascent, bearing E. and W. Thence over gently rolling land.
 17.40 Enter wash, course W.; bank 10 ft. high.
 20.75 Leave same.
 40.18 Fall 17 lks. E. of the $\frac{1}{4}$ sec. cor., which is a granite stone, 8x6x6 ins. above ground, marked and witnessed as described by the Surveyor General.

The true course and distance for this half mile is therefore N.0°15'W., 40.18 chs.

 NORTH, on a random line, on W. bdy. of N. half of sec. 18.
 23.20 Wash, 50 lks. wide, 6 ft. deep, course W.
 40.26 Fall 22 lks. E. of the cor. of secs. 7, 12, 13 and 18, which is a limestone, 6x6x5 ins. above ground, marked and witnessed as described by the Surveyor General.

The true course and distance for this half mile is therefore N.0°19'W., 40.26 chs.
 The $\frac{1}{4}$ sec. cor will henceforth pertain solely to sec. 18.

Land, level and gently rolling.
 Soil, sandy and gravelly loam; 2nd and 3rd rate.
 No timber.
 Undergrowth, greasewood, mesquite and sage.

Retracement of Part of Subdivision, T. 19 S., R. 22 E.

Beginning at the cor. of secs. 13, 18, 19 and 24, on E. bdy. of Tp., hereinbefore described;

Thence S.89°53'W., bet. secs. 13 and 24, over level land, through scattering undergrowth.
 7.00 Center of wash, 200 lks. wide, 3 ft. deep, course S.70°W. Thence along wash.
 24.60 Leave wash, 2 ft. deep; course SW.
 32.50 Wash, 20 lks. wide, 7 ft. deep, course SW. Asc. gradually.
 39.96 The old $\frac{1}{4}$ sec. cor., which is a limestone, 10x6x5 ins. above ground, marked and witnessed as described by the Surveyor General.

 Thence S.89°56'W., bet. W. halves of secs. 13 and 24.
 40.31 The old cor. of secs. 13, 14, 23 and 24, which is a limestone, 8x6x6 ins. above ground, marked and witnessed as described by the Surveyor General.
 The $\frac{1}{4}$ sec. cor. will henceforth pertain solely to sec. 24.

Land, level and slightly rolling.
 Soil, sandy and gravelly; 2nd rate.
 No timber.
 Undergrowth; greasewood and sage.

N.89°13'W., bet. secs. 14 and 23, over nearly level land, through scattering undergrowth.
 1.00 Enter wash, 100 lks. wide, 4 ft. deep; coming from NE. Thence along bed of same.
 35.00 Leave wash, course SW. Asc.
 40.20 The old $\frac{1}{4}$ sec. cor., which is a limestone, 14x12x5 ins. above ground, marked and witnessed as described by the Surveyor General.

Chains		
	Thence N.89°33'W., bet. W. halves of secs. 14 and 23, over rolling land.	
40.12	The cor. of secs. 14, 15, 22 and 23, which is a limestone, 10x8x6 ins. above ground, marked and witnessed as described by the Surveyor General.	
	Land, nearly level and gently rolling. Soil, sandy and gravelly; 2nd rate. No timber. Undergrowth, mesquite and sage.	
	S.89°56'W., bet. secs. 15 and 22, over rolling land, through undergrowth.	
8.40	Draw, 3 chs. wide, 2 ft. deep, course SW. Desc. gradually.	
30.00	Swale, draining NW., width, 10 chs.	
38.00	Leave swale.	
40.20	The $\frac{1}{4}$ sec. cor., which is a stone, 16x12x4 ins. above ground, marked and witnessed as described by the Surveyor General.	
	----- Thence N.89°49'W., bet. W. halves of secs. 15 and 22, along level top of low ridge.	
40.22	The cor. of secs. 15, 16, 21 and 22, which is a granite stone, 9x6x5 ins. above ground, marked and witnessed as described by the Surveyor General.	des-
	Land, gently rolling; drainage SW. Soil, sandy; 2nd and 3rd rate. No timber. Undergrowth, yucca, mesquite, greasewood, ocotillo and sage.	
	N.89°52'W., bet. secs. 16 and 21, over slightly rolling land, through undergrowth.	
15.00	Desc. gradually from low ridge, which bears NE. and SW.	
28.50	Wash, 100 lks. wide, 2 ft. deep, course NW.	
40.08	The $\frac{1}{4}$ sec. cor., which is a limestone, 10x8x4 ins. above ground, marked and witnessed as described by the Surveyor General.	
	----- Thence N.89°51'W., bet. W. halves of secs. 16 and 21, through dense growth of mesquite and other underbrush.	
4.92	Wash, 5 chs. wide, course S.70°W.	
35.00	Low ridge bears N.30°E. and S.30°W. Leave mesquite brush.	
40.10	The cor. of secs. 16, 17, 20 and 21, which is a sandstone, 10x5x4 ins. above ground, marked and witnessed as described by the Surveyor General.	
	Land, rolling. Soil, rocky and gravelly; 3rd and 4th rate. No timber. Undergrowth, mesquite, greasewood, sage and chaparral.	
	N.89°50'W., bet. secs. 17 and 20, along low ridge, through undergrowth.	
20.00	Wash, coming from NE. Thence along same.	
23.00	Leave wash.	
40.12	The $\frac{1}{4}$ sec. cor., which is a stone, marked and witnessed as described by the Surveyor General.	
	----- Thence N.89°51'W., bet. W. halves of secs. 17 and 20.	
5.88	Wash, 30 lks. wide, 6 ft. deep, course SW.	
13.08	Wash, 200 lks. wide, 6 ft. deep, course S.	

Retracement of Part of Subdivision, T. 19 S., R. 22 E. 13

Chains

22.88 Top of small ridge, bearing N.20°E. and S.20°W. Thence over uneven, rolling land, through dense undergrowth.

39.73 The cor. of secs. 17, 18, 19 and 20, which is a limestone, 12x8x4 ins. above ground, marked and witnessed as described by the Surveyor General.

Land, rolling, with small hills.
Soil, rocky and gravelly; 3rd and 4th rate.
No timber.
Undergrowth, greasewood, mesquite and sage.

N.89°50'W., bet. secs. 18 and 19,
over rolling land, through dense undergrowth.

12.10 Wash, 100 lks. wide, 2 ft. deep, course NW.

21.00 Asc. gradually.

27.00 Summit of ascent. Desc. gradually.

30.00 Asc. gradually.

40.16 The 1/4 sec. cor., which is a limestone, 12x8x5 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence WEST, bet. W. halves of secs. 18 and 19.

14.84 Ridge bears NE. and SW. Desc. gradually.

24.85 Wash, 150 lks. wide, 15 ft. deep, course NW.

40.05 The cor. of secs. 18 and 19, on W. bdy. of Tp., hereinbefore described.

Land, rolling.
Soil, sandy, with some gravel; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, mesquite and sage.

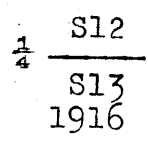
Completion of Subdivision, T. 19 S., R. 22 E.

Sectional Correction Line.

From the cor. of secs. 7, 12, 13 and 18, on E. bdy. of Tp., hereinbefore described,

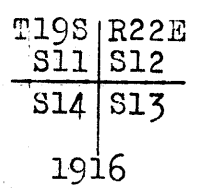
WEST, on sectional correction line, bet. secs. 12 and 13, over level land, through scattering undergrowth.

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



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

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



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

114

Completion of Subdivision, T. 19 S., R. 22 E.

Chains

Land, level.
Soil, sandy and gravelly; 2nd rate.
No timber.
Undergrowth, greasewood, mesquite and sage.

WEST, on sectional correction line, bet. secs. 11 and 14, over rolling land, sloping to W., through scattering undergrowth.

- 7.60 Wash, 100 lks. wide, 3 ft. deep, course SW.
 - 11.00 Asc. on low ridge, bearing NE. and SW.
 - 18.00 Desc. NW. slope of same.
 - 30.00 Asc. gradual slope of low ridge bearing NE. and SW.
 - 40.00 Top of rise; bears E. and W.
- 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

	S11
$\frac{1}{4}$	-----
	S14
	1916

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

Thence along top of ridge.

- 63.00 Desc. gradually, on NW. slope of same.
- 68.20 Wash, 200 lks. wide, 3 ft. deep, course S.20°W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked on brass cap

T19S	R22E
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; general slope to W.
Soil, sandy and gravelly; 2nd rate.
No timber.
Undergrowth, greasewood, sage, mesquite and yucca.

WEST, on sectional correction line, bet. secs. 10 and 15, over rolling land, through medium undergrowth.

- 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

	S10
$\frac{1}{4}$	-----
	S15
	1916

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

- 52.30 Small wash, 10 lks. wide, 2 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. 9, 10, 15 and 16, with brass cap, marked

T19S	R22E
S 9	S10
-----	-----
S16	S15
	1916

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

Completion of Subdivision of T. 19 S., R. 22 E. 15

Chains

W. of cor.

Land, rolling; general drainage W.
Soil, light sandy loam and gravel; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, sage and chaparral.

40.00

WEST, on sectional correction line, bet. secs. 9 and 16,
over gently rolling land, through medium undergrowth.
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
 $\frac{1}{4}$ ———
S16
1916

80.00

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 8, 9, 16 and 17, marked on
brass cap

T19S | R22E
S8 | S9
———
S17 | S16
1916

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

Land, gently rolling; general drainage to W.
Soil, light sandy loam and coarse gravel $\frac{1}{2}$ 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, sage and chaparral.

7.70

WEST, on sectional correction line, bet. secs. 8 and 17,
over rolling land, through medium growth of underbrush.
Wash, 30 lks. wide, 3 ft. deep, course NW.

13.00

Spur, slopes NW. Desc. gradually.

33.00

Low spur, sloping NW.

35.00

Desc. gradually, over SW. 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

S 8
 $\frac{1}{4}$ ———
S 17
1916

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

45.00

Wash, 100 lks. wide, 3 ft. deep, course NW.

53.00

Low spur, slopes NW., 30 ft. above wash. Desc. gradually.

60.00

Wash, 100 lks. wide, 4 ft. deep, course NW.

75.00

Low spur, slopes NW.

78.00

Wash, 200 lks. wide, 3 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. 7, 8, 17 and 18, marked on
brass cap

T19S | R22E
S7 | S8
———
S18 | S17
1916

Chains

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

Land, rolling.

Soil, sandy and gravelly loam, with cobble stone,; 2nd and 3rd rate.

No timber.

Undergrowth, greasewood, mesquite and chaparral.

WEST, on a random line, bet. secs. 7 and 18.

40.00 Set temp. ¼ sec. cor.

80.50 Intersect W. bdy. of Tp. 47 lks. N. of the reestablished cor. of secs. 7, 12, 13 and 18, hereinbefore described.

Thence N.89°40'E., on a true line, bet. secs. 7 and 18, over rolling land, through mesquite, greasewood and chaparral; ascending gradually.

40.50 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼ S 7
S18
1916

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

50.50 Top of low ridge. Thence along top of same.

60.50 Desc. gradually, on SW. slope.

80.50 The cor. of secs. 7, 8, 17 and 18.

Land, rolling; general slope W.

Soil, sandy and gravelly, with some stones; 3rd and 4th rate.

No timber.

Undergrowth, greasewood, mesquite and chaparral.

S.0°17'E., on a random line, bet. secs. 13 and 14.

40.00 Set temp. ¼ sec. cor.

80.68 Intersect E. and W. line 33 lks. E. of the cor. of secs. 13, 14, 23 and 24.

Thence N.0°03'W., on a true line, bet. secs. 13 and 14, over rolling land, through undergrowth.

2.00 Wash, 100 lks. wide, 6 ft. deep, course W.

11.70 Asc. gradually, over S. slope.

20.40 Over rolling ridge.

25.00 Desc. gradually.

40.68 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

¼
S14 | S13
1916

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

45.80 Wash, 20 lks. wide, 1 ft. deep, course S.75°W. Thence over roughly rolling land.

80.68 The cor. of secs. 11, 12, 13 and 14.

Land, rolling.

Soil, sandy and gravelly; 2nd rate.

No timber.

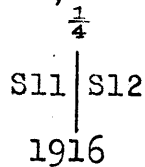
Undergrowth, greasewood and mesquite.

Chains

NORTH, bet. secs. 11 and 12,
over gently rolling land, through underbrush.

2.90
12.50
35.00
40.00

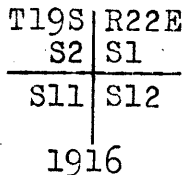
Wash, 100 lks. wide, 3 ft. deep, course SW.
Top of small ridge bears NE. and SW.
Road bears NE. and SW.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

42.50
50.00
51.40
64.90
72.20
75.00
78.00
80.00

Road, bears NW. and SE.
Enter roughly rolling land.
Wash, 3 chs. wide, 4 ft. deep, course NW.
Wash, 3 chs. wide, 3 ft. deep, course NW.
Asc. gradually, over slope of low ridge running NW. and SE.
Desc. through dense undergrowth.
Rocky wash, 100 lks. wide, 4 ft. deep, course W.
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



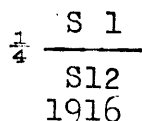
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling and broken.
Soil, sandy and rocky, with some gravel; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, sage, mesquite and yucca.

40.00
80.16

7.16
20.16
26.66
29.36
40.08

East, on a random line, bet. secs. 1 and 12.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect E. bdy. of Tp. 24 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is a post, marked and witnessed as described by the Surveyor General.
Thence S. $89^{\circ}50'$ W., on a true line, bet. secs. 1 and 12, over rolling land, through undergrowth.
Low ridge bears NE. and SW. Desc. gradually.
Ft. of slope.
Draw, course SE. Asc. gradually on SE. slope.
Top of rise.
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



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

45.16
73.36
74.36
74.96
80.16

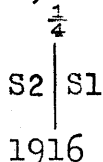
Top of low ridge bears N. and S. Desc. gradually.
Ft. of slope.
Enter wash, 100 lks. wide, 6 ft. deep, course W.; comes from NE.
Leave wash, course SW.
The cor. of secs. 1, 2, 11 and 12.

Chains

Land, rolling, and broken.
Soil, gravelly; 2nd and 3rd rate.
No timber,
Undergrowth, mesquite, greasewood and sage.

40.00 North, on a random line, bet. secs. 1 and 2.
Set temp. $\frac{1}{4}$ sec. cor.
80.31 Intersect N. bdy. of Tp. 33 lks. E. of the cor. of secs.
1, 2, 35 and 36, hereinbefore described.

Thence S.0°14'E., on a true line, bet. secs. 1 and 2,
over rolling land, through underbrush. Desc. gradually,
on slope of low ridge bearing NE. and SW.
1.40 Ft. of slope.
3.30 Asc. gradually.
6.30 Low ridge bears NE. and SW. Desc. gradually.
12.80 Ft. of slope.
13.30 Small wash, 3 lks. wide, 3 ft. deep, course SW.
15.30 Asc. gradually.
21.30 Head of small wash, 100 lks. wide, 10 ft. deep, course SW.
32.30 Low ridge bears NE. and SW. Desc. gradually.
40.31 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

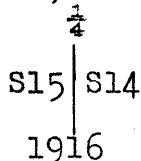


and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
55.30 Ft. of slope.
58.30 Wash, 60 lks. wide, 4 ft. deep, course SW.
67.30 Wash, 30 lks. wide, 3 ft. deep, course SW.
80.31 The cor. of secs. 1, 2, 11 and 12.

Land, rolling.
Soil, sandy and gravelly; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, catclaw and chaparral.

40.00 S.0°03'E., on a random line, bet. secs. 14 and 15.
Set temp. $\frac{1}{4}$ sec. cor.
80.00 Intersect E. and W. line 31 lks. E. of the cor. of secs.
14, 15, 22 and 23.

Thence N.0°10'E., on a true line, bet. secs. 14 and 15,
over rolling land, through underbrush.
6.00 Draw, 3 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., marked on brass cap



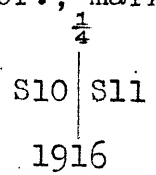
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
42.00 Draw, 100 lks. wide, course SW.
61.10 Wash, 100 lks. wide, 8 ft. deep, course W.
80.00 The cor. of secs. 10, 11, 14 and 15.

Land, rolling and broken.
Soil, sandy, with some gravel and stone; 2nd and 3rd rate.
No timber.
Undergrowth, mesquite, greasewood and sage.

Completion of Subdivision, T. 19 S., R. 22 E.

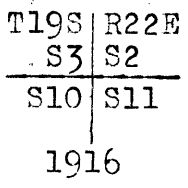
Chains

N.0°01'W., bet. secs. 10 and 11,
 over rolling land, through underbrush.
 25.00 Wash, 100 lks. wide, 3 ft. deep, course W.
 33.00 Top of low ridge, bears E. and W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

46.00 Wash, 400 lks. wide, 5 ft. deep, course W., at left bank.
 50.30 Leave wash.
 55.00 Asc. on gradual slope.
 70.00 Top of low ridge, bears E. and W.
 71.00 Desc. gradually.
 77.20 Ft. of slope.
 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, marked on
 brass cap



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

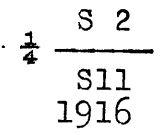
Land, rolling and broken.
 Soil, sandy and gravelly; 2nd and 3rd rate.
 No timber.
 Undergrowth, greasewood, catclaw and sage.

40.00 East, on a random line, bet. secs. 2 and 11.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect N. and S. line 6 lks. S. of the cor. of secs.
 1, 2, 11 and 12.

Thence S.89°57'W., on a true line, bet. secs. 2 and 11,
 over rolling land, through undergrowth.

5.50 Low spur, sloping SW.
 14.80 Enter wash, 100 lks. wide, 5 ft. deep. Thence along same.
 Scattering willow and catclaw along wash. Wash comes
 from NE.

25.30 Leave wash, course SW.
 28.22 Road 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., marked on brass cap



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

65.00 Low ridge, bears N. and S. Desc. gradually.
 80.02 The cor. of secs. 2, 3, 10 and 11.

Land, rolling.
 Soil, sandy and gravelly; 2nd and 3rd rate.
 No timber.
 Undergrowth, greasewood, catclaw and chaparral.

Course

North, on a random line, bet. secs. 2 and 3.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.50 Intersect N. bdy. of Tp. 30 lks. E. of the cor. of secs.
 2, 3, 34 and 35, reestablished as hereinbefore described.

Thence S.0°13'E., on a true line, bet. secs. 2 and 3,
 descending gradually, through scattering undergrowth.
 21.70 Wash, 200 lks. wide, 10 ft. deep, course SW. Scattering
 willows along banks.

25.50 Asc. gradually.

40.20 Top of rise, on low ridge, running NE. and SW. Desc. grad-
 ually.

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

$\frac{1}{4}$
 S3 | S2
 1916

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

55.50 Wash, 100 lks. wide, 3 ft. deep, course W.

56.10 Asc. over gradual NW. slope.

64.25 Top of rise, on low ridge.

64.50 Desc. on gradual slope.

68.50 Ft. of same.

70.50 Asc. on gradual slope.

74.50 Summit of slope.

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

Land, rolling, general slope W.

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

No timber.

Undergrowth, greasewood, catclaw, sage and chaparral.

S.0°09'W., on a random line, bet. secs. 15 and 16.

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

79.82 Fall 34 lks. E. of the cor. of secs. 15, 16, 21 and 22,
 hereinbefore described. This cor. and the $\frac{1}{4}$ sec. cor.
 bet. sec. 15 and 22, and the $\frac{1}{4}$ sec. cor. bet. secs. 16
 and 21, will henceforth pertain solely to the area S.
 of the E. and W. line.

At point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., 24 ins. in the ground, for closing cor.
 of secs. 15 and 16, marked on brass cap

C C
 T19S | R22E
 S16 | S15
 S21 | S22
 1916

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

Thence N.0°09'E., on a true line, bet. secs. 15 and 16,
 over rolling land, through scattering undergrowth.

8.12 Small draw, course W.

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

$\frac{1}{4}$
 S16 | S15
 1916

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

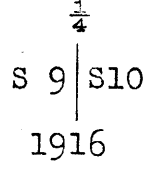
Completion of Subdivision, T. 19 S., R. 22 E.

Chains

43.40 W. of cor.
 62.57 Top of low ridge, bears E. and W. Desc. on gradual slope.
 79.82 Draw, course S.70°W. Asc. on gradual slope.
 The cor. of secs. 9, 10, 15 and 16.

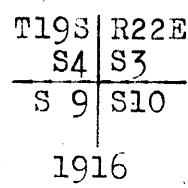
Land, rolling; general drainage W.
 Soil, light sandy gravelly loam; 2nd and 3rd rate.
 No timber.
 Undergrowth, greasewood, sage and chaparral.

34.00 N.0°01'W., bet. secs. 9 and 10,
 over rolling land, through medium undergrowth.
 40.00 Draw, course W. Asc. gradually.
 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, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 44.00 Top of low ridge, bears E. and W. Desc.
 48.00 Ft. of descent, bears E. and W. Thence over nearly level
 land.

56.32 Rocky wash, 300 lks. wide, 4 ft. deep, course N.80°W.
 Scattering mesquite growth along banks of wash.
 65.00 Asc. gradually, over rolling land.
 78.00 Low spur, slopes W. Desc. gradually.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 3, 4, 9 and 10, marked on
 brass cap

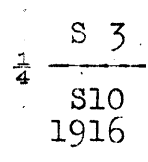


and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.

Land, rolling; general drainage W.
 Soil, light sandy loam and coarse gravel; 3rd rate.
 No timber.
 Undergrowth, greasewood, sage and chaparral.

40.00 East, on a random line, bet. secs. 3 and 10.
 79.98 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line 12 lks. N. of the cor. of secs.
 2, 3, 10 and 11.

5.48 Thence N.89°55'W., on a true line, bet. secs. 3 and 10,
 over rolling land, through medium growth of underbrush.
 39.99 Coulee, course NW.
 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



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

Chains

70:00 Desc. gradually.
79.98 The cor. of secs. 3, 4, 9 and 10.

Land, rolling; general drainage W.
Soil, light sandy loam and coarse gravel; 3rd rate.
Timber, none.
Undergrowth, greasewood, sage and mesquite.

40.00 North, on a random line, bet. secs. 3 and 4.
Set temp. $\frac{1}{4}$ sec. cor.
80.48 Intersect N. bdy. of Tp. 40 lks. E. of the cor. of secs.
3, 4, 33 and 34, hereinbefore described.

40.48 Thence S.0°17'E., on a true line, bet. secs. 3 and 4,
over rolling land, through medium growth of underbrush.
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,

$$\begin{array}{c} \frac{1}{4} \\ S4 | S3 \\ 1916 \end{array}$$

71.28 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
79.50 Wash, 60 lks. wide, 6 ft. deep, course W.
80.48 Top of rise bears E. and W. Desc. gradually.
The cor. of secs. 3, 4, 9 and 10.

Land, rolling; general drainage W.
Soil, light sandy loam and gravel; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, mesquite and chaparral.

40.00 S.0°09'W., on a random line, bet. secs. 16 and 17.
Set temp. $\frac{1}{4}$ sec. cor.
79.87 Intersect E. and W. line 44 lks. E. of the cor. of secs.
16, 17, 20 and 21. This cor. and the $\frac{1}{4}$ sec. cor.
bet. secs. 17 and 20 will henceforth pertain solely
to the area S. of line.

At point of intersection, set an iron post, 3 ft. long,
2 ins. diam., 24 ins. in the ground, for closing cor.
of secs. 16 and 17, marked on brass cap

$$\begin{array}{c} C C \\ T19S | R22E \\ S17 | S16 \\ \hline S20 | S21 \\ 1916 \end{array}$$

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

4.90 Thence N.0°09'E., on a true line, bet. secs. 16 and 17,
over rolling land, through medium growth of undergrowth.
19.37 Low ridge, bears E. and W.
39.93 $\frac{1}{2}$ Wash, 100 lks. wide, 3 ft. deep, course SW.
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

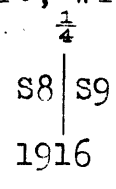
$$\begin{array}{c} \frac{1}{4} \\ S17 | S16 \\ 1916 \end{array}$$

Chains

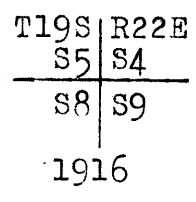
and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
41.87 Low rolling ridge, bears N.70°E. and S.70°W.
60.37 Wash, 100 lks. wide, 4 ft. deep, course SW.
79.87 The cor. of secs. 8, 9, 16 and 17.

Land, rolling.
Soil, sandy and rocky; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, mesquite and chaparral.

N.0°02'W., bet. secs. 8 and 9,
over rolling land, through medium growth of underbrush.
Desc. gradually.
15.00 Grassy bottom of draw, course W.; heads about 30 chs. E.
22.90 Low spur, slopes W. Desc.
33.90 Draw, course W. Asc. gradually.
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



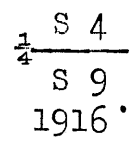
and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
48.00 Low ridge bears E. and W.
75.00 Enter very scattering mesquite, bears E. and W.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 4, 5, 8 and 9, marked on brass
cap,



and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
Land, rolling; general drainage W.
Soil, slight sandy loam and coarse gravel; 1 to 2 ft. deep,
with subsoil of hardpan, gray clay and gravel; 3rd and
4th rate.
No timber.
Undergrowth, greasewood, sage, mesquite and chaparral.

East, on a random line, bet. secs. 4 and 9.
40.00 Set temp. ¼ sec. cor.
80.08 Intersect N. and S. line 7 lks. N. of the cor. of secs.
3, 4, 9 and 10.

Thence N.89°57'W., on a true line, bet. secs. 4 and 9,
over rolling land, through underbrush.
12.18 Wash, 75 lks. wide, 5 ft. deep, course S.80°W.
30.38 Same wash, course N.80°W., 60 lks. wide, 5 ft. deep.
35.48 Same wash, 60 lks. wide, 5 ft. deep, course S.75°W.
40.04 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap



Completion of Subdivision, T. 19 S., R. 22 E.

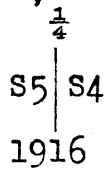
Chains

and raise a mound of stone, 2 ft. base, 1½ ft. high,
N.of cor.
56.03 Same wash, 60 lks. wide, 5 ft. deep, course N.70°W.
80.08 The cor. of secs. 4, 5, 8 and 9.

Land, rolling; general drainage W.
Soil, light sandy loam and fine gravel; 2nd rate.
No timber.
Undergrowth, greasewood, mesquite, sage and chaparral.

40.00 NORTH, on a random line, bet. secs. 4 and 5.
Set temp. ¼ sec. cor.
80.64 Intersect N. bdy. of Tp. 32 lks. E. of the reestablished
cor. of secs. 4, 5, 32 and 33, hereinbefore described.

Thence S.0°14'E., on a true line, bet. secs. 4 and 5,
over rolling land, through underbrush.
15.65 Bottom of swale, drains SW.
40.64 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap,

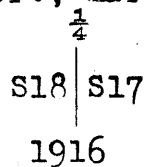


and raise a mound of stone, 2 ft. base, 1½ ft. high,
W.of cor.
60.00 Wash, 40 lks. wide, 3 ft. deep, course SW.
71.75 Wash, 200 lks. wide, 5 ft. deep, course W.
80.64 The cor. of secs. 4, 5, 8 and 9.

Land, rolling; general drainage W.
Soil, light sandy loam and coarse gravel; scattering
cobble stones; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, mesquite, sage and chaparral.

40.00 South, on a random line, bet. secs. 17 and 18.
Set temp. ¼ sec. cor.
79.74 Intersect E. and W. line 48 lks. E. of the cor. of secs.
17, 18, 19 and 20, hereinbefore described.

Thence N.0°21'E., on a true line, bet. secs. 17 and 18,
over rolling land, through underbrush.
22.44 Wash, course W.
34.75 Wash, 300 lks. wide, 3 ft. deep, course SW.
39.87 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
54.75 Wash, 100 lks. wide, 4 ft. deep, course W. Asc. gradually.
63.75 Ridge bears NW. and SE. Desc. gradually.
79.74 The cor. of secs. 7, 8, 17 and 18.

Land, rolling.
Soil, sandy and gravelly; 3rd rate.
No timber.
Undergrowth, greasewood and chaparral.

Completion of Subdivision, T. 19 S., R. 22 E.

Chains

N.0°02'W., bet. secs. 7 and 8,
over rolling land, through underbrush.

4.00

Asc. gradually, on SE. slope.

25.00

Low ridge bears NW. and SE., about 60 ft. above sec. cor.
Desc. on gradual NE. slope.

37.10

Wash, 50 lks. wide, 3 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., marked on brass cap

$\frac{1}{4}$
S7 | S8
1916

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

Asc. on gradual SE. slope.

48.10

Top of low ridge bears NE. and SW. Desc. gradually, over
rolling land.

64.00

Wash, 300 lks. wide, 3 ft. deep, course W. Asc. on gradual
slope.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 5, 6, 7 and 8, marked on brass
cap

T19S | R22E
S6 | S5
S7 | S8
1916

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

Land, rolling.

Soil, sandy and gravelly loam; 2nd rate.

No timber.

Undergrowth, greasewood and chaparral.

East, on a random line, bet. secs. 5 and 8.

40.00

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

79.90

Intersect N. and S. line at the cor. of secs. 4, 5, 8
and 9.

Thence West, on a true line, bet. secs. 5 and 8,
over rolling land, through medium growth of underbrush.

39.95

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

$\frac{1}{4}$ S 5
S 8
1916

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

59.90

Asc. on gradual slope.

73.90

Low rolling ridge bears N.70°W. and S.70°E.

79.90

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

Land, rolling.

Soil, sandy and gravelly loam; 2nd rate.

No timber.

Undergrowth, greasewood and chaparral.

Chains

West, on a random line, bet. secs. 6 and 7.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect W. bdy. of Tp. 40 lks. N. of the cor. of secs. 1, 6, 7 and 12, hereinbefore described.

Thence N. 89° 43' E., on a true line, bet. secs. 6 and 7, over gently rolling land, through underbrush.
 25.00 Enter dense mesquite growth, bears NE. and SW.
 40.06 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ $\frac{S\ 6}{S\ 7}$
1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 65.00 Leave mesquite growth, bears NE. and SW.
 80.06 The cor. of secs. 5, 6, 7 and 8.

Land, gently rolling.
 Soil, sandy and gravelly; 2nd rate.
 No timber.
 Undergrowth, greasewood, mesquite and chaparral.

North, on a random line, bet. secs. 5 and 6.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.93 Intersect N. bdy. of Tp. 44 lks. E. of the cor. of secs. 5, 6, 31 and 32, hereinbefore described.

Thence S. 0° 19' E., on a true line, bet. secs. 5 and 6, over rolling land, through underbrush.
 10.83 Wash, 60 lks. wide, 8 ft. deep, course W.
 27.90 Ridge bears NE. and SW. Desc. over gradual slope.
 40.93 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S6 | S5
1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 60.53 Wash, 200 lks. wide, 5 ft. deep, course SW.
 65.13 Wash, 100 lks. wide, 6 ft. deep, course W.
 73.90 Leave mesquite growth.
 80.93 The cor. of secs. 5, 6, 7 and 8.

Land, rolling.
 Soil, sandy loam and gravel; 2nd rate.
 No timber.
 Undergrowth, greasewood, mesquite and chaparral.

Boundaries of N. Half of T. 19 S., R. 22 E.

Chains	Line designated	True Course	Dist. chs.	Latitudes		Departures	
				N. chs.	S. chs.	E. chs.	W. chs.
	South Boundary, Subdivisional,	S.89°53'W.	39.96		.08		39.96
		S.89°56'W.	40.31		.05		40.31
		N.89°13'W.	40.20	.55			40.20
		N.89°33'W.	40.12	.31			40.12
		S.89°56'W.	40.20		.05		40.20
		N.89°49'W.	40.22	.13			40.22
		N.89°52'W.	40.08	.09			40.08
		N.89°51'W.	40.10	.11			40.10
		N.89°50'W.	40.12	.12			40.12
		N.89°51'W.	39.73	.11			39.73
		N.89°50'W.	40.16	.12			40.16
	West		40.05				40.05
	West Boundary	N.0°15'E.	240.63	240.63		1.06	
	North Boundary	S.89°58'E.	39.18		.03		39.18
		S.89°56'E.	40.04		.05		40.04
		S.89°55'E.	40.04		.06		40.04
		S.89°54'E.	40.04		.07		40.04
		S.89°55'E.	40.00		.06		40.00
		S.89°50'E.	40.07		.03		40.07
		S.89°55'E.	39.96		.06		39.96
		S.89°54'E.	40.08		.07		40.08
		S.89°50'E.	40.02		.12		40.02
		N.89°58'E.	40.05	.03			40.05
	East		80.17				80.17
	East boundary	South	160.00		160.00		
		S.0°19'E.	40.26		40.26	.22	
		S.0°15'E.	40.18		40.18	.17	
	Convergency					.23	
	Totals			242.20	241.17	481.33	481.25
				241.17		481.25	
	Error in latitude			1.03			
	Error in departure					.08	

General Description, T. 19 S., R. 22 E.

SURFACE:

The portion of this township embraced within the surveys hereinbefore described consists of rolling hills and bench land, broken by numerous ravines and washes draining to the West. There is no permanent running water.

SOIL:

The soil is a coarse sandy loam and gravel, unsuited for agriculture.

VEGETATION:

Most of the area is covered by a growth of varying density of mesquite, greasewood and chaparral. Native grass exists in sufficient quantity to furnish grazing.

MINERALS:

No indications of valuable minerals were noted.

SETTLERS:

There are no settlers in the township.

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Hargraves Wood, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 63, Arizona, bearing date of the 7th day of October, 1915, 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 the subdivision lines and retraced all those parts or portions of the subdivision lines of TOWNSHIP. 19 SOUTH, RANGE 22 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, 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 Group 63, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Hargraves Wood, U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 191

The foregoing field notes of the survey of

executed by

under his special instructions dated, 191, 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.

Book "A"

Group 63 - - - Arizona.

LOG

4-680

Township 19 South,--Range 22 East.

DATE DIAGRAM

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

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Resurveys, retracements and Surveys executed on dates shown in red on above diagram, by Ralph Gentry, U. S. Surveyor.

Retracements and surveys executed on dates shown in green on above diagram, by Hargraves Wood, U. S. Surveyor.

CERTIFICATE OF UNITED STATES SURVEYOR.

BOOK 3004

I, Ralph Gentry, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 63, Arizona, bearing date of the 7th day of October, 1915, 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 the completion of the subdivision lines, retraced and resurveyed all those parts or portions of the West and North boundaries, and retraced all those parts or portions of the East boundary of TOWNSHIP 19 SOUTH, RANGE 22 EAST, of the Gila and Salt River Base and Meridian, in the State of Arizona, 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 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Ralph Gentry U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, April 29, 1918.

The foregoing field notes of the survey of the completion of the subdivision lines, retracement and resurvey of the West and North boundaries, and retracement of one mile of the East boundary and part of the subdivision lines of TOWNSHIP 19 SOUTH, RANGE 22 EAST, of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by U. S. Surveyors Ralph Gentry and Hargraves Wood, under special instructions for Group 63, Arizona, dated Oct. 7, 1915, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys retracements and resurveys 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.