

3212

Book "K."

4-679

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BOOK 3212

FIELD NOTES

OF THE SURVEY OF

PART OF SOUTH BOUNDARY, and

PART OF SUBDIVISION LINES,

RESURVEY of

PART OF SOUTH BOUNDARY, and

PART OF THE SUBDIVISION LINES,

ALL OF TOWNSHIP 18 NORTH, RANGE 10 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

H. D. Jackson, & Eugene L. Harshbarger,

U.S. Transitmen,

with corrections by Otis Ross, U. S. Surveyor,

~~In the capacity of U. S. Surveyor~~, under instructions dated February 20, 1915, & S.S.I., dated Sept. 15, 1919

issued by the United States Surveyor General to govern surveys included in Group No. 50. Ariz., which were approved by the Commissioner of the General Land Office, March 2, 1915, & Sept. 29, 1919.

Survey, and the Survey commenced April 24, 1916

Survey, and the Survey completed May 27, 1916.

Executed under Assignment
Instructions dated Nov. 29, 1915.
Corrections made Dec. 9, 1919.

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BOOK 3212

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 Areas surveyed as per accepted plats on file.

Chains.

Work executed in dates shown on diagram on page 41 of this book, by Harry D. Jackson, and Eugene L. Harshbarger, U.S. Transitmen.

The instruments used are described, with record of approval by the Assistant Supervisor of Surveys for Arizona and California, and field tests in Book "A." The adjustments were frequently examined and maintained throughout the work by comparison of the results of solar observations with the true meridian determined by observations on Polaris.

The magnetic variation is 15° E.

On Dec. 9, 1919, Otis Ross, U.S. Surveyor sets 1/4 sec. cor. of sec. 35 on N. bdy. thereof, and changes the 1/4 sec. cor. of secs. 26 and 35 to make it refer to sec. 26 only, all to conform to instructions from the surveyor general, dated Sept. 15, 1919.

In the following notes, the measurements and cor. descriptions affected by the above described operations of Surveyor Ross, are preceded by the initials "O.R."

Resurvey of portion of S. bdy. of Township 18 North, Range 10 West.

DEPENDENT RESURVEY.

From the original cor. of Ts. 17 and 18 N. Rs. 9 and 10 W., described in Book "J,"

S. 89° 21' W., on true line, bet. secs. 1 and 36 (E. 1/2).

Over mountainous land, thru scattering undergrowth.

Ascend 370 ft. on NE. slope.

36.20 Ridge, brs. NW. and SE. Descend gradually on NW. slope.

39.59 Intersect original 1/4 sec. cor. of secs. 1 and 36, which is a granite stone, 10x8x8 ins. above ground, firmly set, marked "1/4" on N. face, and witnessed by mound of stone 2 ft. base, 1 1/2 ft. high, E. of cor. No bearing trees.

This cor. now becomes 1/4 sec. cor. of sec. 36 only. No change in marking or accessory is required.

S. 89° 03' W., on true line, bet. secs. 1 and 36 (W. 1/2).

Over mountainous land, thru scattering undergrowth.

Descend 600 ft. on NW. slope.

29.00 Gulch, course SW. Stream 6 lks. wide, course SW.

Ascend 90 ft. on SE. slope.

38.64 Intersect original cor. of secs. 1, 2, 35 and 36, which is a lava stone, 18x12x6 ins., firmly set in a mound of stone, marked with 1 notch on E. edge, and 5 notches on W. edge, and witnessed by mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. No bearing trees.

Reestablish this cor. to refer to secs. 35 and 36 only, by moving mound of stone from W. to N. of cor., and mark "T18 N., R. 10 W." on N. face of stone.

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, oak brush, cactus and yucca.

West, on true line, on S. bdy. of sec. 35.

Over mountainous land, thru scattering undergrowth.

Ascend 40 ft.

8.40 Point of spur, projecting S. Descend 290 ft., on abrupt W. slope.

2. Resurvey of portion of S $\frac{1}{2}$ bdy. of T. 18 N., R. 10 W. - Dependent Resur.

Chains.

- 19.60 Gulch, course S. Stream, 3 fks. wide, 4 ins. deep.
Ascend 250 ft., on abrupt E. slope.
- 37.40 Point of spur from N. Descend gradually on Sw. slope.
- 40.00 Set a sandstone, 14x10x4 ins., 9 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 35 only, marked "1" on N. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- The above described stone is probably the one originally set as $\frac{1}{4}$ sec. cor. of secs. 2 and 35, as it was lying on the ground nearby marked "1" on one face, but as there was no visible remains of the original accessory at the point where it was found, such point could not be identified as its original location; therefore, it was reset at point described above.
- As no previously accepted area of surveyed public land exists N. or S., of line W. of this $\frac{1}{4}$ sec. cor., continue line and measurement of S. bdy. of sec. 35 as

INDEPENDENT RESURVEY

- 48.00 Descend abruptly, 300 ft.
- 62.90 Bottom of gulch, course S. 30° E. Stream, 3 lks. wide, 3 ins. deep. Ascend 335 ft., on abrupt E. slope.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 20 ins. in the ground, surrounded by a mound of stone (impracticable to set post deeper in the ground) for reestablished cor. of secs. 34 and 35, with brass cap, marked

T18N	R10W
S34	S35

1916

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

No trace of original sec. cor. can be found after diligent search in this vicinity.

Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak brush.

West, on true line, on S. bdy. of sec. 34.
Over mountainous land, thru scattering undergrowth.
Ascend 550 ft. on SE. slope.

- 33.35 Ridge, brs. N. and S. Descend on abrupt W. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, surrounded by a mound of stone (impracticable to set post deeper in the ground), for reestablished $\frac{1}{4}$ sec. cor. of sec. 34, with brass cap, marked

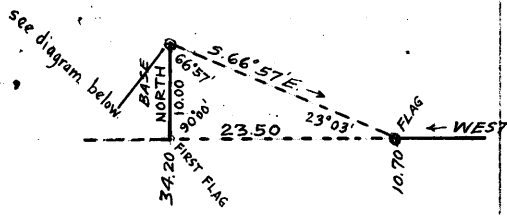
S 34

1916

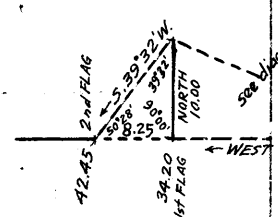
- and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. No trace of original $\frac{1}{4}$ sec. cor. can be found after diligent search in this vicinity.
- 54.25 Gulch, course S., 295 ft. below ridge. Ascend 470 ft. on abrupt E. slope.
- 80.00 Set a lava stone, 16x12x4 ins., 11 ins. in the ground, for reestablished cor. of secs. 33 and 34, marked with 3 grooves on each of E. and W. faces, and "T18N R10W" on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- No trace of the original sec. cor. can be found after diligent search in this vicinity.
- Land, mountainous.
Soil, rocky, 4th rate.
No timber. Undergrowth, oak brush.

Completion of survey of S. bdy. of Township 18 N., R. 10 W. 3

Chains. From the reestablished cor. of secs. 33 and 34, hereinbefore described,
 West, on S. bdy. of sec. 33.
 Over mountainous land, thru scattering undergrowth.
 1.65 Top of ridge, brs. N. and SW., 10 ft. above sec. cor.
 Descend gradually.
 10.70 Top of cliff, 200 ft. high, bearing N. and S.
 From this point, at which I leave a flag, set flags on line for triangulation, and measure roughly with tape for topography.
 32.10 Bottom of canyon, course S., 810 ft. below ridge. Small stream in bottom. Ascend on abrupt E. slope, to first flag; from which I measure a base N., 10.00 chs., to a point whence flag left at 10.70 ch. pt. brs. S. 66° 57' E., which gives for the distance 10.00 x tan. 66° 57', or 23.50 chs., making distance from sec. cor., 10.70 + 23.50, or 34.20 chs.



34.20 Base of ledge, bearing N. and S. Obtain distance to top of cliffs, over which accurate chaining is impracticable as follows:
 From N. end of base line above described, 2nd flag on top of cliff, on line, brs. S. 39° 32' W., which gives for the distance, 10.00 x tan 39° 32', or 8.25 chs., making dist. from sec. cor., 34.20 + 8.25, or 42.45 chs.



42.45 Top of cliff, bearing N. and S. From this point, I measure east, 1.45 chs., beyond which chaining is impracticable, the point for 1/4 sec. cor. being inaccessible. Therefore, at
 41.00 Establish witness cor. to 1/4 sec. cor. of sec. 33, as follows: Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for witness cor. to 1/4 sec. cor., with brass cap, marked

1/4 S 33 WC
 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, M. of cor.
 Ascend gradually.
 49.90 Top of ridge, brs. N. and S., 350 ft. below bottom of canyon. Descend 150 ft., on NW. slope.
 66.70 Head of gulch, course S. 30° W. Ascend 165 ft. on SE. slope.
 74.65 Top of ridge, brs. NE. and SW. Descend 110 ft.
 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., in a mound of stone (impracticable to set post in the ground) for cor. of secs. 32 and 33, with brass cap, mared

T18N | R10W
 S32 | S33
 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, cactus and oak brush.

West, on S. bdy. of sec. 32.
 Over roughly rolling land, descending gradually on W. slope, 110 ft.
 14.90 Bottom of gulch, course S. 40° W. Ascend gradually on SE.

4. Completion of Survey of S. bdy. of Township 18 North, Range 10 West.

Chains.

40.00 slope.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., of sec. 32 only, with brass cap, marked

$\frac{1}{4}$ S 32

1916

48.00 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Top of spur, projecting SW., 250 ft. below gulch.
Descend 180 ft., on NW. slope.

60.20 Bottom of gulch, course SW. Ascend gradually, on SE. slope, 55 ft.

72.90 Point of spur, projecting S. Descend 80 ft., on NW. slope.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 31 and 32, with brass cap, marked

T18N	R10W
S31	S32

1916

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

Land, roughly rolling.

Soil, rocky, 4th rate.

No timber.

West, on S. bdy. of sec. 31.

Over roughly rolling land, thru scattering undergrowth.
Descend gradually, 35 ft. on W. slope.

5.00 Bottom of gulch, course S. Ascend gradually, on E. slope., 70 ft.

14.90 Top of spur, projecting S. Descend 180 ft.

27.65 Bottom of gulch, course S. Ascend gradually, on E. slope, 120 ft.

37.70 Top of spur, projecting S.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 31, with brass cap, marked

$\frac{1}{4}$ S 31

1916

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

45.00 Descend gradually, 175 ft.

74.90 Bottom of gulch, course S. Ascend 225 ft. on E. slope.

97.70 Top of ridge, brs. N. and S. Descend 75 ft.

112.60 Thence descend very gradually.

148.37 Intersect E. bdy. of T. 18 N., R. 11 W., 3.48 chs. N. of the cor. of Ts. 17 and 18 N., Rs. 11 W., described in Book "B."

At point of intersection,

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for closing cor. of Ts. 17 and 18 N., Rs. 10 W., with brass cap, marked

T18N	
R11W	R10W
	S31
S36	CC
	S6
S 1	T17N

1916

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

Land, rolling, sloping generally to S.

Soil, rocky, volcanic ash; 3rd rate.

No timber.

Undergrowth, oak brush, cactus and yucca.

Resurvey of portion of subdivision lines of T.18 N., R.10 W. 5.

Chains.

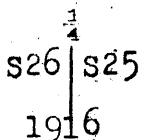
- From the reestablished cor. of secs. 35 and 36, on S. bdy. of Tp., hereinbefore described,
N. $2^{\circ}03'W.$, on true line, bet. secs. 35 and 36.
Over mountainous land, thru scattering undergrowth. Ascend 210 ft., on SE. slope.
- 10.75 Ridge, brs. NE. and SW. Descend 370 ft., on NW. slope.
32.65 Bottom of ravine, course SW. Ascend 380 ft.
39.78 (Midpoint), set a granite stone, 16x8x7 ins., 11 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 35 and 36, marked " $\frac{1}{4}$ " on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
No iron post available. No trace of original $\frac{1}{4}$ sec. cor. can be found after diligent search in this vicinity.
- 61.60 Spur, projecting SE.
Descend 25 ft., on NE. slope.
- 65.60 Gulch, course E. Ascend gradually on SE. slope.
71.60 Spur, projecting NE. Descend 85 ft.
79.57 Intersect the original cor. of secs. 25, 36, 35 and 36, which is a granite stone, 16x8x8 ins. above ground, firmly set, marked with 1 notch on each of S. and E. edges, and witnessed by mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No bearing trees. This cor. later changed to refer to secs. 35 and 36 only, as hereinafter described in notes of survey of line bet. secs. 26 and 35.
- Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak brush, cactus and yucca.

- From the reestablished cor. of secs. 25, 30, 31 and 36, on E. bdy. of Tp., described in Book "J" of this group,
S. $89^{\circ}37'W.$, on true line, on N. bdy. of sec. 36 (E. $\frac{1}{2}$).
Over mountainous land, thru scattering undergrowth. Ascend 25 ft. on NE. slope.
- 2.00 Ridge, brs. NW and SE. Descend 125 ft. on SW. slope.
17.80 Bottom of ravine, course SE. Ascend 410 ft.
33.70 Ridge, brs. NW and SE. Descend on SW. slope.
37.68 (40.00 chs. easting from reestablished cor. of secs. 25 and 26, hereinafter described),
Set a granite stone, 13x9x5 ins., 9 ins. in the ground for reestablished $\frac{1}{4}$ sec. cor. of sec. 25 only, marked " $\frac{1}{4}$ " on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
No iron post available.
- 40.67 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 25 and 36, which is a granite stone, 12x10x9 ins. above ground, firmly set, marked " $\frac{1}{4}$ " on N. face, and witnessed by mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No bearing trees. Reestablish this cor. to refer to sec. 36 only by moving mound of stone from N. to S. of cor.
Thence,
S. $89^{\circ}14'W.$, on N. bdy. of sec. 36 (W. $\frac{1}{2}$).
Over mountainous land, thru scattering undergrowth.
Continuing to descend on SW. slope.
- 29.50 Bottom of ravine, course SW., 675 ft. below ridge.
Ascend 80 ft. on NE. slope.
- 37.01 Point N. $0^{\circ}01'W.$, from reestablished cor. of secs. 35 and 36, on S. bdy. of Tp.) Reestablish cor. of secs. 25 and 26 only at this point, as follows: On a granite boulder, 6x3x1 ft. above ground, mark a cross (x) at the exact cor. point, with 1 groove on E. side, and 4 grooves on W. side, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 39.82 Intersect original cor. of secs. 25, 26, 35 and 36, hereinbefore described, later reestablished as cor. of secs. 35 and 36, as hereinafter described.
- Land, mountainous.
Soil, rocky, 4th rate.
No timber. Undergrowth, cactus, oak brush and yucca.

6 Survey of Completion of Subdivision of T. 18 N. R. 10 W.

Chains.

From the reestablished cor. of secs. 25 and 26, hereinbefore described,
 N. 0° 1' W., bet. secs. 25 and 26.
 Over mountainous land, thru scattering undergrowth.
 .75 Bottom of ravine, course E. Ascend 30 ft. on SE slope.
 4.00 Spur, projecting E. Thence along broken E. slope.
 40.80 (40.00 chs. plus the southing of the N. bdy. of sec. 36),
 Set an iron post, 3 ft. long, 1 in. 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.
 42.80 Bottom of ravine, course SE. Ascend 630 ft.
 71.00 Ridge, brs. NW and SE. Descend 270 ft. on NE slope.
 80.80 (80.00 chs. plus the southing of the N. bdy. of sec. 36),
 Set a granite stone, 36x12x10 ins., 27 ins. in the ground for cor. of secs. 23, 24, 25 and 26, marked with 1 notch on E. edge, and 2 notches on S. edge; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 No iron post available.
 Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, oak brush, cactus and yucca.

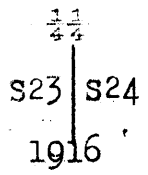
 East, on a random line, bet. secs. 24 and 25.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 77.94 Intersect E. bdy. of Tp., 16 lks. N. of the cor. of secs. 19, 24, 25 and 30, described in Book "J."
 Thence N. 89° 53' W., on a true line, bet. secs. 24 and 25.
 Over mountainous land, thru scattering undergrowth.
 Ascend 60 ft. along broken S. slope.
 15.90 Spur, projecting SE. Descend 200 ft., on SW. slope.
 31.95 Bottom of ravine, course SE. Ascend on SE. slope.
 37.94 Point for $\frac{1}{4}$ sec. cor. falls on ledge of rock, on which I mark a cross at the exact corner point, with " $\frac{1}{4}$ " on N. side; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 43.75 Spur, projecting SE., 150 ft. above ravine. Descend 50 ft. on SW. slope.
 49.65 Ravine, course SE.
 Ascend 70 ft. on SE. slope.
 55.00 Spur, projecting S.
 Descend 200 ft. on SW. slope.
 61.30 Bottom of ravine, course SE.
 Ascend 50 ft. on SE. slope.
 65.00 Spur, projecting SE.
 Descend 40 ft. on SW. slope.
 77.20 Bottom of ravine, course SE.
 Ascend 55 ft. on NE. slope.
 77.94 The cor. of secs. 23, 24, 25 and 26.

Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, oak brush, cactus and yucca.

Completion of Subdivision of Township 18 North, Range 10 West. 7

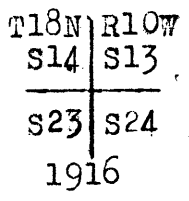
Chains,

- N. 0° 01' W., bet. secs. 23 and 24.
- Over mountainous land, thru scattering undergrowth.
- .75 Bottom of ravine, course SE.
- Ascend 240 ft. on SW. slope.
- 16.40 Ridge, brs. NW and SE.
- Descend 90 ft. on NE. slope.
- 26.30 Bottom of ravine, course SE.
- Ascend 300 ft. on SW. slope.
- 38.20 Spur, projecting SW.
- Descend on NW. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. 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 1/2 ft. high, W. of cor.

- 40.60 Bottom of ravine, course SW.
- Ascend 140 ft. on SE. slope.
- 49.75 Bottom of ravine, course SE.
- Ascend 535 ft. on SW. slope.
- 65.55 Ridge, brs. NE. and SW.
- Thence along broken SW. slope.
- Ascend 85 ft.
- 76.90 Divide, brs. NW. and SE. Thence along SE. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, with brass cap, marked



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

Land, mountainous. Soil, 3rd rate. No timber. Undergrowth, oak brush, cactus, yucca, manzanita and chaparral.

- East, on a random line, bet. secs. 13 and 24.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 77.86 Intersect E. bdy. of Tp., 14 lks. S. of the cor. of secs. 13, 18, 19 and 24, described in Book "J."

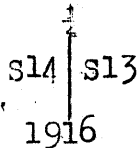
- Thence,
- S. 89° 54' W., on a true line, bet. secs. 13 and 24.
- Over mountainous land, thru scattering undergrowth.
- Ascend 75 ft. on SE. slope.
- 4.70 Spur, projecting SE.
- Descend 65 ft. on SW. slope.
- 7.20 Bottom of ravine, course SE.
- Ascend 430 ft., on broken slope.
- 34.00 Spur, projecting NE.
- Descend 30 ft. on SW. slope.
- 37.80 Bottom of ravine, course SE.
- 37.86 Set a sandstone rock, 22x10x8 ins., 17 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ " on N. face; and raise a mound

8. Completion of Subdivision of Township 13 North Range 10 West.

Chains. of stone, 2 ft. base, 1½ ft. high, N. of cor.
 No iron post available.
 Ascend 320 ft. on SE. slope.
 49.35 Spur, projecting NE. Descend 90 ft. on NW. slope.
 54.85 Bottom of ravine, course NE. Ascend 170 ft. on NE. slope.
 62.80 Bottom of ravine, course NE.
 Ascend 330 ft. on SE. slope.
 77.86 The cor. of secs. 13, 14, 23 and 24.

Land, mountainous.
 Soil, 3rd and 4th rate.
 No timber.
 Undergrowth, oak brush, cactus, manzanita, yucca and chaparral.

N. 0° 1' W., bet. secs. 13 and 14.
 Over mountainous land, thru scattering undergrowth.
 Ascend 85 ft. on SE. slope.
 13.40 Spur, projecting SE.
 Descend 230 ft. on NE. slope.
 25.35 Head of ravine, course SE.
 Ascend 285 ft., on SE. slope.
 33.30 Divide brs. NE. and SW.
 Descend.
 40.00 Set a lava stone, 18x10x6 ins., 12 ins. in the ground, for ¼ sec. cor., with brass cap, marked



and raise a mound of stone, 2 ft. base, 1½ ft. ft. high, W. of cor.
 64.10 Bottom of ravine, course NW., 750 ft. below divide.
 Thence descend 130 ft. on W. slope.
 80.00 Point for sec. cor. falls in location where it is impracticable to set a monument; therefore, at
 79.93 Establish witness cor. to cor. of secs. 11, 12, 13 and 14, as follows:
 Point falls on a basalt boulder, 30x24x14 ins. above surface, of conglomerate outcrop. Mark a cross at the exact point, for witness cor., with 4 grooves on S., and 1 on E. side, and "WC" on N., and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 No iron post available.
 A pine tree, 8 ins. diam., brs. N. 1° E. 23 lks. dist., marked WC T18N R10W S12 BT.
 A pine tree, 14 ins. in diam., brs. S. 63½° W., 80 lks. dist., marked WC T18N R10W S14 BT.
 No other trees within limits.

Land, mountainous.
 Soil, rocky, 3rd and 4th rate.
 Timber, a few pine trees.
 Undergrowth, oak brush, manzanita, cactus and yucca.

East, on a random line, bet. secs. 12 and 13, from true pt. for cor. of secs. 11, 12, 13 and 14.
 40.00 Set temp. ¼ sec. cor.
 78.05 Intersect E. bdy. of Tp., 47 lks. S. of cor. of secs. 7, 12, 13 & 18, described in Book "J." Thence
 S. 89° 40' W., on a true line, bet. secs. 12 and 13.
 Over mountainous land, thru scattering undergrowth.
 Descend gradually, on SW. slope, 60 ft.
 13.00 Bottom of ravine, course SE. Ascend 40 ft. on SE. slope.

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

Chains

19.20 Ridge bears NE. and SW. Desc. on broken NW. slope.
38.05 Point for 1/4 sec. cor. falls on boulder, 3x3x2 ft. above ground, on which I mark a cross, at the exact corner point, with 1/4 on N. side. and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

56.70 Ft. of slope, 710 ft. below ridge. Thence over broken land.

78.05 The true point for cor. of secs. 11, 12, 13 and 14.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, oak brush, manzanita, cactus and yucca.

N. 0° 01' W., bet. secs. 11 and 12,
(from true point for cor. of secs. 11, 12, 13 and 14)
over mountainous land, through scattering undergrowth
and pine timber. Desc. 130 ft., on NE. slope.

7.50 Bottom of ravine, course NW.

Thence over rough, broken land.

14.13 A pine tree, 40 ins. diam., on line.

15.80 Bottom of ravine, course NE. Ascend over broken land,
crossing spurs and gulches extending southeasterly.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a
mound of stone, for 1/4 sec. cor., with brass cap, marked

S11 | S12

1916

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

67.75 Ridge bears NE. and SW. Desc. 115 ft., on NW. 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

T18N | R10W
S2 | S1

S11 | S12

1916

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

Land, mountainous.
Soil, rocky; 3rd rate.
Timber, pine.
Undergrowth, oak brush and cactus.

40.00 East, on a random line, bet. secs. 1 and 12.

Set temp. 1/4 sec. cor.

77.89 Intersect E. bdy. of Tp. at the cor. of sections of secs.
1, 6, 7 and 12, described in book "J."

Thence, ~~S. West~~ W., on a true line, bet. secs. 1 and 12,
over mountainous land, through scattering undergrowth.
Desc. 330 ft., on NW. slope.

15.90 Bottom of ravine, course NW. Asc. 90 ft., on NE. slope.

22.35 Spur, projecting NW. Desc. 325 ft., on NW. slope.

37.89 Set a limestone, 16x8x6 ins., 11 ins. in the ground, for
1/4 sec. cor., marked 1/4 on N. face; and raise a mound
of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

No iron post available.

38.30 Bottom of ravine, course NW.

40.10 Spur, projecting NW. Desc. 65 ft., on NW. slope.

Chains

- 43.75 Bottom of ravine, course NE. Asc. 600 ft., on broken SE. slope.
- 70.00 Ridge bears NE. and SW. Desc. 225 ft., on NW. slope.
- 77.89 The cor. of secs. 1, 2, 11 and 12.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, oak brush and cactus.

- N.0°01'W., on a true line, bet. secs. 1 and 2, over mountainous land, through scattering undergrowth. Desc. on NW. slope.
- 40.00 Point for $\frac{1}{4}$ sec. cor. falls on a lava boulder, 3x3x2 ft. above ground, on which I mark a cross at the exact corner point, with $\frac{1}{4}$ on W. side; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. No iron pipe available.
- 46.00 Bottom of ravine, course SW., 340 ft. below sec. cor. Asc. on SW. slope.
- 63.40 Head of ravine, course SW. Continue ascent.
- 73.10 Ridge bears NW. and SE., 510 ft. above 46.00 ch. pt. Desc. 140 ft., on NW. slope.
- 81.03 Intersect S. bdy. of T. 19 N., R. 10 W., 6.02 chs. E. of the cor. of secs. 35 and 36, described in book L.

At point of intersection,
Set a lava stone, 13x9x5 ins., 9 ins. in the ground, for closing cor. of secs. 1 and 2, marked with 1 groove on E. and 5 on W. face, with CC on S.; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor. No iron post available.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, oak brush and cactus.

From the reestablished cor. of secs. 34 and 35, on S. bdy. of Tp., hereinbefore described,

- N.0°01'W., bet. secs. 34 and 35, over mountainous land, through scattering undergrowth. Asc. 120 ft., on SE. slope.
- 7.70 Spur, projecting SE. Desc. 375 ft., on NE. slope.
- 29.30 Bottom of gulch, course SE. Stream, 20 lks. wide, in bottom. Asc. on 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

S34 | S35

1916

- and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
- 66.40 Spur, projecting SW., 700 ft. above gulch. Desc. 90 ft., on NW. slope.
- 71.85 Head of ravine, course SW. Asc. 35 ft., on SW. slope.
- 77.10 Spur, projecting SW. Desc. 100 ft., on NW. slope.
- 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

Completion of Subdivision of Township 18 North, Range 10 West. 11

Chains.

T18N	R10W
S27	S26
S34	S35

1916

and raise a mound of stone, 2ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 Soil, 3rd and 4th rate.
 No timber. Undergrowth, oak brush.

40.00 East, on a random line, bet. secs. 26 and 35.
 Set temp. ¼ sec. cor.
 77.21 Fall 41 lks. N. of original cor. of secs. 25, 26, 35 and 36,
 hereinbefore described,
 Reestablish this cor. to refer to secs. 35 and 36 only, by
 marking 5 notches on W. edge of stone, and moving mound
 of stone from W. to S. of cor.

Thence,
 N. 89° 42' W. on true line, on N. bdy. of sec. 35.
 Over mountainous land, thru. scattering undergrowth,
 ascend 355 ft. on NE. slope, over cliffs and slide rock.
 11.75 Ridge, brs. NW and SE. Descend 430 ft. on SW. slope.
 37.21 (40.02 chs. westerly from reestablished cor. of secs. 25 and
 26) "O.R." The Jackson ¼ sec. cor. of secs. 26 and 35 is
 an iron post, 1 in. in diam., 10 ins. above ground, firmly
 set, properly marked on brass cap, and witnessed by mound
 of stone, 2 ft. base, 1½ ft. high, N. of cor.
 Change this cor. to ¼ sec. cor. of sec. 26 only, by changing
 marking on brass cap, to read

¼	S 26
---	------

1916

leaving accessory unchanged.
 39.20 Bottom of ravine, course SW. Thence along S. slope.
 "OR" 40.00 "O.R." Set a granite stone, 18x10x6 ins., 12 ins. in the
 ground, for ¼ sec. cor. of sec. 35 only, marked "4" on S. face,
 and raise mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
 40.40 Spur, projecting SW. Descend 15 ft. on SW. slope.
 41.50 Bottom of ravine, course SW. Ascend 150 ft. on SE. slope.
 53.20 Spur, projecting SW. Descend gradually on SW. slope.
 61.20 Head of ravine, course SE. Ascend 85 ft. on SE. slope.
 71.25 Ridge, brs. NE and SW. Descend 90 ft. on NW. slope.
 77.21 The cor. of secs. 26, 27, 34 and 35.
 Land, mountainous.
 Soil, rocky, 3rd rate.
 No timber.
 Undergrowth, oak brush, cactus and yucca.

N. 0° 01' W., bet. secs. 26 and 27.
 Over mountainous land, thru. scattering undergrowth,
 Descend 80 ft. on NW. slope.
 3.80 Head of ravine, course NW. Ascend 50 ft. on SW. slope.
 7.70 Spur, projecting SW. Descend 150 ft. on NW. slope.
 21.00 Ravine, course SW. Ascend 71 ft. on SW. slope.
 26.10 Spur, projecting SW. Descend 55 ft. on NW. slope.
 33.00 Bottom of ravine, course SW. Ascend on SW. slope.
 40.00 Set a granite stone, 16x10x6 ins., 11 ins. in the ground, for
 ¼ sec. cor., marked "2" on W. face; and raise a mound of stone,
 2 ft. base, 1½ ft. high, W. of cor.
 No iron pipe available.
 60.20 Spur, projecting W., 350 ft. above bottom of ravine.
 Descend 95 ft. on NW. slope.
 66.00 Bottom of ravine, course SW. Ascend 100 ft. on SW. slope.
 71.65 Spur, projecting SW. Descend 175 ft. on NW. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground, for cor. of secs. 22, 23, 26 and 27, with
 brass cap, marked

T18N	R10W
S22	S23
S27	S26

1916

12. Completion of subdivision of Township 18 North, Range 10 West.

Chains.

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

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, oak brush, cactus and yucca.

East, on a random line, bet. secs. 23 and 26.

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

79.98 Intersect N. and S. line, 12 lks. S. of the cor. of secs. 23, 24, 25 and 26.

Thence,

S. $89^{\circ} 55'$ W., on a true line, bet. secs. 23 and 26.

Over mountainous, thru dense undergrowth.

Ascend 480 ft., on NE. slope.

20.50 Ridge, brs. NW. and SE. Descend.

39.99 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 23

S 26

1916

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

48.20 Head of ravine, course NW., 550 ft. below ridge.

Ascend 60 ft., on NE. slope.

54.20 Spur, projecting NW. Descend 420 ft. on NW. slope.

76.00 Bottom of ravine, course SW. Ascend 15 ft. on SW. slope.

79.98 The cor. of secs. 22, 23, 26 and 27.

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, oak brush, cactus and yucca.

N. $0^{\circ} 01'$ W., bet. secs. 22 and 23.

Over mountainous land, thru dense undergrowth.

6.45 Bottom of ravine, course SW. Ascend 120 ft. on SE. slope.

18.20 Spur, projecting SE. Continue ascent less abruptly.

30.00 Spur, projecting SE., 140 ft. above 18.20 chain point. Descend 30 ft.

37.65 Bottom of ravine, course SW. Ascend on SE. slope.

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

S 22 | S 23

1916

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

65.00 Spur, projecting SE., 710 ft. above ravine. Descend 120 ft. on NE. slope.

80.00 Set a lava stone, 18x10x5 ins., 12 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked with 2 notches on E. and 3 on S. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No iron post available.

Land, mountainous.

Soil, rocky, 3rd rate.

No timber.

Undergrowth, cactus, oak brush and chaparral.

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

Chains

- 40.00 East, on a random line, bet. secs. 14 and 23.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.26 Intersect N. and S. line 21 lks. S. of the cor. of secs. 13, 14, 23 and 24.
- Thence S.89°51'W., on a true line, bet. secs. 14 and 23, over mountainous land, through scattering undergrowth. Asc. gradually, 20 ft.
- 1.40 Divide bears NW. and SE. Desc. 285 ft., on SW. slope.
- 9.70 Top of cliff 100 ft. high. Continue descent 225 ft.
- 15.75 Bottom of ravine, course SW. Asc. 20 ft.
- 20.20 Spur, projecting SW. Desc. on NW. slope.
- 24.70 Top of cliff, 25 ft. high.
- 26.00 Bottom of ravine, course SW., 150 ft. below spur. Asc. 30 ft., on SE. slope.
- 29.50 Spur, projecting SW. Desc. 215 ft., on NW. slope.
- 37.00 Bottom of ravine, course SW. Asc. on SE. slope.
- 40.13 Set a sandstone rock, 20x10x5 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No iron post available.
- 48.50 Spur, projecting SE., 420 ft. above ravine. Desc. 300 ft., on SW. slope.
- 59.80 Bottom of ravine, course SE. Asc. 225 ft., on SE. slope.
- 68.25 Spur, projecting SE. Desc. 210 ft., on SW. slope.
- 76.45 Bottom of ravine, course SE. Asc. 50 ft., on SE. slope.
- 80.26 The cor. of secs. 14, 15, 22 and 23.

Land, mountainous.
 Soil, 3rd rate.
 No timber.
 Undergrowth, oak brush, cactus, yucca and chaparral.

-
- N.0°01'W., bet. secs. 14 and 15, over mountainous land, through scattering undergrowth. Asc. 55 ft., on SE. slope.
 - 5.40 Head of ravine, course SE. Asc. abruptly, 245 ft.
 - 12.00 Spur, projecting SE.
 - 14.90 Divide bears NE. and SW. Desc. 210 ft., on NW. slope.
 - 24.40 Head of ravine, course NW. Asc. 80 ft., on SW. slope.
 - 32.30 Spur, projecting NW. Desc. 120 ft., on NW. slope.
 - 38.00 Bottom of ravine, course NW. Asc. on 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 $\frac{1}{4}$

S15	S14
-----	-----

1916

- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 47.00 Spur, projecting SW., 240 ft. above ravine. Asc. 200 ft. on SW. slope.
- 53.65 Bottom of ravine, course SW. Asc. 150 ft., on SW. slope.
- 60.10 Spur, projecting SW. Desc. 15 ft., on NW. slope.
- 63.50 Gulch, course W. Asc. 40 ft., on SW. slope.
- 69.65 Head of ravine, course SW. Asc. 370 ft., on S. slope.
- 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, with brass cap, marked

T18N	R10W
S10	S11

S15	S14
-----	-----

1916

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

Chains

Land, mountainous.
Soil, 3rd rate.
No timber.
Undergrowth, oak brush, cactus, yucca and chaparral.

East, on a random line, bet. secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.16 Intersect N. and S. line 5 lks. N. of true pt. for cor. of secs. 11, 12, 13 and 14.

Thence N.89°58'W., on a true line, bet. secs. 11 and 14, over mountainous land, through scattering undergrowth, and pine timber. Desc. 75 ft., on NW. slope.

2.65 Bottom of ravine, course NE. Asc. on NE. slope.
6.60 Leave scattering timber, bearing NE. and SW.
16.15 Spur, projecting SE. Continue ascent.
32.00 Bottom of ravine, course SE. Continue ascent.
40.08 Point for $\frac{1}{4}$ sec. cor. falls on boulder, 5x3x2 ft. above ground, on which I mark a cross at the exact corner point, with $\frac{1}{4}$ on N. side; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
58.25 Ridge bears N. and S., 1260 ft. above 2.65 ch. pt. Desc. on NW. slope.
59.75 Mohon Peak bears S., 6.00 chs. dist.
78.15 Ridge bears NW. and SE., 335 ft. below ridge at 58.25 chain point.
80.16 The cor. of secs. 10, 11, 14 and 15.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, pine on E. 6.60 chs.
Undergrowth, oak brush, cactus and yucca.

N.0°01'W., bet. secs. 10 and 11, over mountainous land, through scattering undergrowth.

.50 Ridge bears NW. and SE. Desc. 210 ft., on N. slope.
9.15 Bottom of ravine, course NW. Desc. 55 ft., on SW. slope.
21.10 Spur, projecting NW. Desc. 220 ft., on NW. slope.
39.00 Bottom of ravine, course NW.
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

$\frac{1}{4}$
S10 | S11

1916

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

42.00 Spur, projecting W. Desc. 760 ft., on NW. slope.
74.30 Bottom of ravine, course NE. Asc. 45 ft., on broken SE. slope.

79.20 Top of cliff, 120 ft. high. Desc.
80.00 Point for sec. cor. falls at location where it is impracticable to establish monument. Therefore at
80.55 (135 ft. below top of cliff)

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to cor. of secs. 2, 3, 10 and 11, with brass cap, marked

T18N | R10W
S3 | S2

S10 | S11

W C

1916

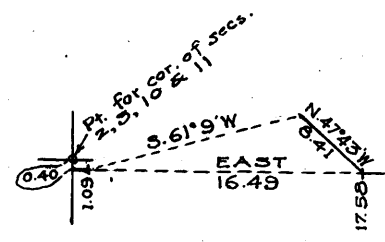
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

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

Chains

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, oak brush, cactus and yucca.

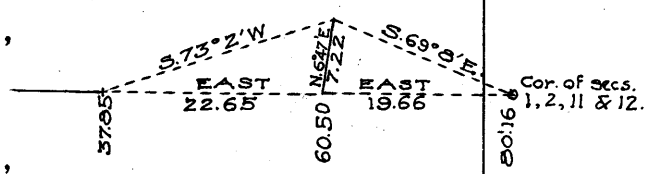
East, on a random line, bet. secs. 2 and 11.
To obtain distance over extremely rough ground, across which chaining is impracticable, proceed as follows:
From a point 40 lks. S. and 109 lks. E. of true point for cor. of secs. 2, 3, 10 and 11, I set a flag East, from which I measure a base 8.41 chs., N.47°43'W., to a point whence flag left 40 lks. S. and 109 lks. E. of pt. for cor. bears S.61°9' W.; which gives for the distance, $8.41 \times \sin 108°52' + \sin 28°51'$, or 16.49 chs. Total dist.=17.58 chs.



17.58
40.00

Continue line East, on offset, measuring dist. with tape. Set temp. 1/4 sec. cor.

To obtain distance across extremely rough ground, over which it is impracticable to chain accurately, proceed as follows:
Return to 37.85 chain point, and set a flag; then from a station E. of same, measure a base 7.22 chs. N.6°47'E., to a point whence flag bears S.73°02'W., and the cor. of secs. 1, 2, 11 and 12 bears S.69°08'E.; which gives for first distance $7.22 \times \sin 66°15' + \sin 16°58'$, or 22.65 chs., making dist. to instrument, 37.85 + 22.65, or 60.50 chs.
Continuing random E. on offset, intersect N. and S. line at the cor. of secs. 1, 2, 11 and 12; making dist. from instrument pt., $7.22 \times \sin 75°55' + \sin 20°58'$, or 19.66 chs.; which gives for total dist., 60.50 + 19.66, or 80.16 chs.



80.16

Therefore at
A line due East from true pt. for. cor. of secs. 2, 3, 10 and 11 intersects N. and S. line 40 lks. N. of the cor. of secs. 1, 2, 11 and 12.

Thence N.89°43'W., on a true line, bet. secs. 2 and 11, over mountainous land, through scattering undergrowth; across canyon, course N.

19.50

Spur, projecting NE., on W. side of canyon, 240 ft. above sec. cor.

40.08

Set a granite stone, 16x10x7 ins., 11 ins. in the ground, for 1/4 sec. cor.; marked 1/4 on N. face; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. No iron post available.

42.30

Spur, projecting NE. Desc. 75 ft., on NW.slope.

51.40

Head of ravine, course NE. Asc. 70 ft., on NE. slope.

62.30

Ridge bears NW. and SE.

80.16

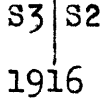
The true pt. for cor. of secs. 2, 3, 10 and 11.

Land, mountainous. Soil, rocky; 3rd and 4th rate.
Timber, some aspen and ironwood.
Undergrowth, sage and cactus.

Chains

N.0°01'W., bet. secs. 2 and 3, measuring from true pt. for cor. of secs. 2, 3, 10 and 11; over mountainous land, through dense undergrowth; descending on NW. 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



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

47.30 Cabin, at Mohon Spring bears E., 5.00 chs. dist.

59.20 Bottom of ravine, course NW., 540 ft. below pt. for cor. of secs. 2, 3, 10 and 11. Asc. on gentle SW. slope.

80.85 Intersect S. bdy. of T. 19 N., R. 10 W., 5.92 chs. E. of the cor. of secs. 34 and 35, described in book L.

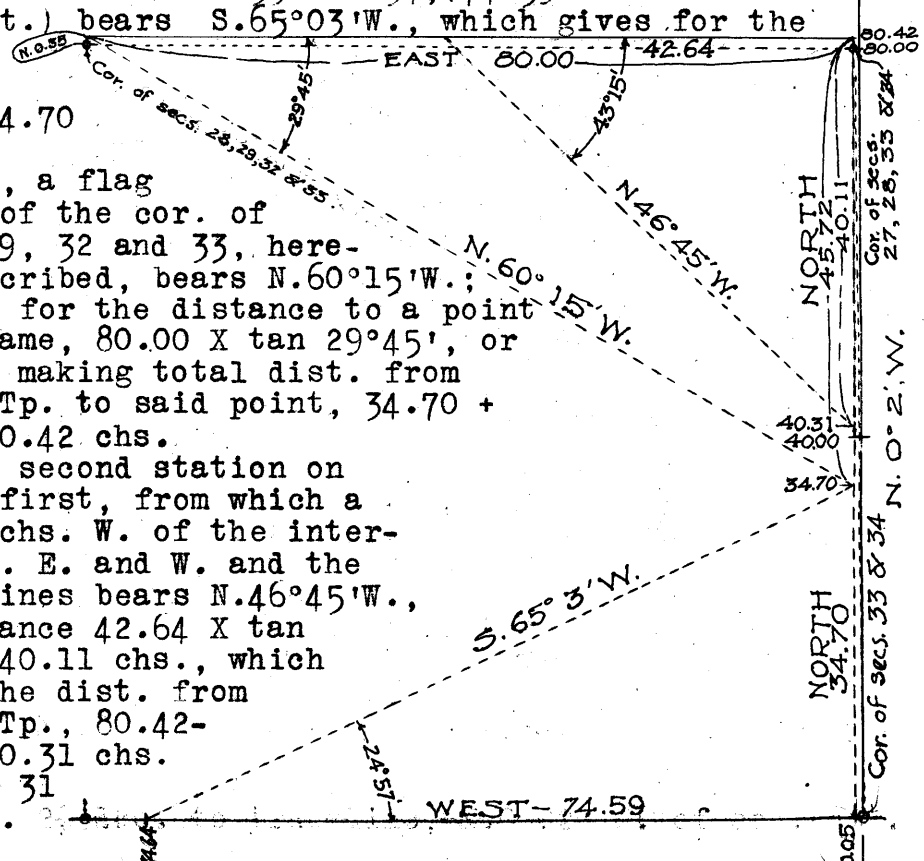
At point of intersection
Set a malpais stone, 22x8x6 ins., 15 ins. in the ground, for closing cor. of secs. 2 and 3, marked with 2 grooves on E., 4 on W., and CC on S. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
No iron post available.
Land, mountainous.
Soil, rocky; 3rd and 4th rate.
No timber.
Undergrowth, oak brush, sage and yucca.

From the reestablished cor. of secs. 33 & 34, on S. bdy. of Tp., hereinbefore described;

N.0°02'W., bet. secs. 33 and 34, over mountainous land, through dense undergrowth.
To obtain distance over very rough ground, across which accurate chaining is impracticable, I proceed as follows:
From a point 5 lks. W. of the cor. of secs. 33 and 34, which is due S. of a point 80.00 chs. E. of cor. of secs. 28, 29, 32 and 33, hereinafter described; I establish a station N., from which a flag 74.64 chs. W. of the cor. of secs. 33 and 34, (74.59 chs. W. of beginning pt.) bears S.65°03'W., which gives for the distance,

$74.59 \times \tan 24^\circ 57' = 34.70$ chs.

34.70 From this pt., a flag 35 lks. N. of the cor. of secs. 28, 29, 32 and 33, hereinafter described, bears N.60°15'W.; which gives for the distance to a point due E. of same, $80.00 \times \tan 29^\circ 45'$, or 45.72 chs.; making total dist. from S. bdy. of Tp. to said point, $34.70 + 45.72$, or 80.42 chs.
Establish a second station on line N. of first, from which a flag 42.64 chs. W. of the intersection bet. E. and W. and the N. and S. lines bears N.46°45'W., making distance $42.64 \times \tan 43^\circ 15'$, or 40.11 chs., which gives for the dist. from S. bdy. of Tp., $80.42 - 40.11$, or 40.31 chs.
Measure S., 31 lks., and E.



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

Chains	<p>2½ lks., to true line bet. secs. 33 and 34, N.0°02'W. of the cor. of secs. 33 and 34, and distant</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a mound of stone, for ¼ sec. cor., with brass cap, marked</p> <p style="text-align: center;">¼ S33 S34 1916</p> <p>and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to set post in the ground.</p> <p>80.00 Measure S., 42 lks. to This pt. being N.0°02'W. of the cor. of secs. 33 and 34, 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</p> <p style="text-align: center;">T18N R10W S28 S27 S33 S34 1916</p> <p>and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.</p> <p>73.00 Measure S. 7.00 chs. from this pt. to Draw, course W.</p> <p>Land, mountainous. Soil, rocky; 3rd and 4th rate. No timber. Undergrowth, oak brush, manzanita, crucifixion thorn, cactus and Spanish dagger. Grass, poor. Formation, lava.</p> <hr style="border-top: 1px dashed black;"/> <p>40.00 East, on a random line, bet. secs. 27 and 34. Set temp. ¼ sec. cor.</p> <p>79.90 Intersect N. and S. line 12 lks. N. of the cor. of secs. 26, 27, 34 and 35.</p> <p>23.20 Thence N.89°55'W., on a true line, bet. secs. 27 and 34, over mountainous land, through scattering undergrowth. Desc. 290 ft., on NW. slope.</p> <p>23.20 Gulch, course SE. Stream, 20 lks. wide, in bottom. Asc. 110 ft., on SE. slope.</p> <p>39.95 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked</p> <p style="text-align: center;">S27 ¼ ----- S34 1916</p> <p>and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.</p> <p>42.00 Ravine, course SE. Continue ascent, 75 ft., on NE. slope.</p> <p>47.90 Spur, projecting SE. Desc. 20 ft., on SW. slope.</p> <p>53.90 Ravine, course S.</p> <p>62.00 Asc. gradually, 60 ft., on SE. slope.</p> <p>69.85 Spur, projecting SE. Desc. 110 ft., on SW. slope.</p> <p>79.90 The cor. of secs. 27, 28, 33 and 34.</p> <p>Land, mountainous. Soil, rocky; 3rd and 4th rate. No timber. Undergrowth, oak brush, manzanita, and cactus.</p> <hr style="border-top: 1px dashed black;"/>
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Chains	<p>N.0°02'W., bet. secs. 27 and 28, over mountainous land, through dense undergrowth. Desc. 60 ft.,</p> <p>6.50 Bottom of gulch, course W. Small stream, 1 lk. wide, 1 in. deep. Asc. 50 ft.</p> <p>17.25 Thence across numerous small gulches running in a general W. and SW. direction.</p> <p>38.85 Bottom of gulch, course SW. Small stream in bottom. Thence asc. along gulch.</p> <p>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</p> <p style="text-align: center;">$\frac{1}{4}$ S28 S27</p> <p style="text-align: center;">1916</p> <p>and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>53.85 Leave gulch; comes from NE. Asc. steep slope.</p> <p>67.20 Top of spur, projecting SE., on rock ledge, 440 ft. above 38.85 ch. pt. Desc. 70 ft.</p> <p>71.10 Head of gulch, course SE. Asc. 225 ft.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, surrounded by a mound of stone, (impracticable to set post deeper in the ground) for cor. of secs. 21, 22, 27 and 28, with brass cap, marked</p> <p style="text-align: center;">T18N R10W S21 S22 ----- S28 S27</p> <p style="text-align: center;">1916</p> <p>and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Land, mountainous. Soil, rocky; 3rd and 4th rate. No timber. Undergrowth, oak brush, crucifixion thorn, cactus and amole. Grass, scant; fair grazing. Formation, lava.</p> <hr style="border-top: 1px dashed black;"/> <p>East, on a random line, bet. secs. 22 and 27.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>80.36 Intersect N. and S. line 35 lks. N. of the cor. of secs. 22, 23, 26 and 27.</p> <p>Thence N.89°45'W., on a true line, bet. secs. 22 and 27, over mountainous land, through scattering undergrowth. Desc. gradually, on SW. slope.</p> <p>9.75 Bottom of ravine, course SW. Asc. 220 ft., on SE. slope.</p> <p>34.00 Ravine, course SE. Continue ascent, 60 ft., on NE. slope.</p> <p>37.00 Spur, projecting SE.</p> <p>40.18 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</p> <p style="text-align: center;">S22 $\frac{1}{4}$----- S27 1916</p> <p>and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p> <p>Desc. 95 ft., on SW. slope.</p> <p>51.00 Ravine, course SE. Asc. 400 ft., on SE. slope.</p> <p>69.35 Spur, projecting S. Desc. 70 ft., on SW. slope.</p> <p>80.36 The cor. of secs. 21, 22, 27 and 28.</p> <p>Land, mountainous. Soil, rocky; 3rd and 4th rate. No timber. Undergrowth, oak brush, cactus and crucifixion thorn.</p>
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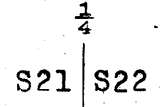
Completion of Subdivision of T. 18 N., R. 10 W. 19

Chains

N.0°02'W., bet. secs. 21 and 22,
over mountainous land, through dense umergrowth.
Asc. 35 ft.

6.50
17.65
30.50
33.00
40.00

Desc. abruptly, 130 ft.
Gulch, course W., at head. Asc. gradually.
Spur, projecting SW. Continue ascent.
Thence across head of gulch, course SW., continuing ascent.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for 1/4 sec. cor., with brass cap, marked



1916

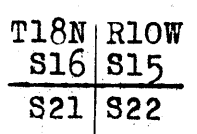
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.

45.80
70.60

Top of spur, projecting SW. Continue ascent.
Ridge bears NW. and SE., 580 ft. above 17.65 ch. pt.
Desc. 150 ft.

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



1916

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

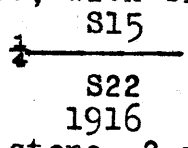
Land, mountainous.
Soil, rocky: 2nd to 4th rate.
No timber.
Undergrowth, oak brush and chaparral.
Grass, fair.
Formation, lava.

40.00
80.34

East, on a random line, bet. secs. 15 and 22.
Set temp. 1/4 sec. cor.
Intersect N. and S. line 7 lks. S. of the cor. of secs.
14, 15, 22 and 23.

8.65
40.17

Thence S.89°57'W., on a true line, bet. secs. 15 and 22,
over mountainous land, through dense undergrowth and
scattering timber. Asc. 120 ft.
Top of ridge bears NW. and SE. Desc. along SW. slope.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for 1/4 sec. cor., with brass cap, marked



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

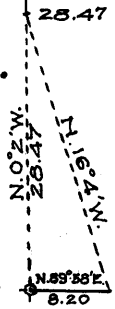
57.00
59.25
67.00
68.00
80.34

Enter dense oak growth.
Bottom of gulch, course NW., 750 ft. below ridge. Leave
growth of oak.
Enter dense growth of oak.
Leave same, and descend 200 ft.
The cor. of secs. 15, 16, 21 and 22.

Land, mountainous.
Soil, rocky: 3rd and 4th rate.
Timber, scattering juniper.
Undergrowth, oak brush and chaparral.
Grass, fair.
Formation, lava.

Chains

N.0°02'W., bet. secs. 15 and 16,
 over mountainous land, through dense undergrowth.
 Triangulate across canyon as follows:
 Measure a base 8.20 chs. N.89°58'E.,
 to a point from which a flag on
 line bears N.16°04'W., which gives
 for the distance, $8.20 \times \tan 73°56'$,
 or 28.47 chs.



28.47 Measure S.0°02'E., 6.70 chs. to
 21.77 Bottom of canyon, course NW., 360 ft. below sec.cor.
 Return to triangulation point and continue measurement
 with steel tape; ascending from bottom of canyon.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a
 mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

Cor. of secs.
 15, 16, 21 & 22

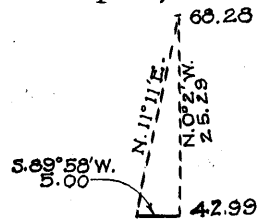
S16 | S15

1916

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

41.60 Top of rocky spur, projecting NW., 450 ft. above canyon.
 Desc. 210 ft.

49.99 Bottom of canyon, course SW.
 Triangulate over very rough
 ground as follows: Return to 42.99 ch. pt., from which,
 Measure a base, S.89°58'W.,
 5.00 chs., to a point whence
 a flag on line bears N.11°11'E.,
 which gives for the distance,
 $5.00 \times \tan 78°49'$, or 25.29
 chs., making total distance,
 $42.99 + 25.29$, or 68.28 chs.



68.28 Continue measurement with steel tape, ascending.
 71.75 Top of ridge bearing NW. and SE., 300 ft. above canyon.
 Desc. 50 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the
 ground, surrounded by a mound of stone, (impracticable
 to set iron post deeper in the ground) for cor. of secs.
 9, 10, 15 and 16, with brass cap, marked

T18N | R10W
 S9 | S10
 S16 | S15

1916

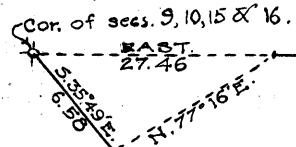
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.

Land, mountainous.
 Soil, rocky clay; 3rd and 4th rate.
 No timber.
 Undergrowth, oak brush and cactus.
 Grass, fair.
 Formation, lava.

East, on a random line, bet. secs. 10 and 15.

Triangulate across gulch as follows:

Measure a base S.35°49'E.,
 6.58 chs., to a point whence
 flag on line bears N.77°16'E.;
 which gives for the distance,
 $6.58 \times \sin 113°05' + \sin 12°44'$,
 or 27.46 chs.



27.46 Continue measurement with steel tape.

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

80.10 Intersect N. and S. line 33 lks. S. of the cor. of secs.
 10, 11, 14 and 15.

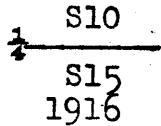
Completion of Subdivision, T. 18 N., R. 10 W.

Chains

Thence S.89°46'W., on a true line, bet. secs. 10 and 15, over mountainous land, through dense undergrowth. Desc. 725 ft.

33.20
40.05

Gulch, course SW. Continue descent. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in a mound of stone, (impracticable to set post in the ground) for 1/4 sec. cor., with brass cap, marked



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

60.60
80.10

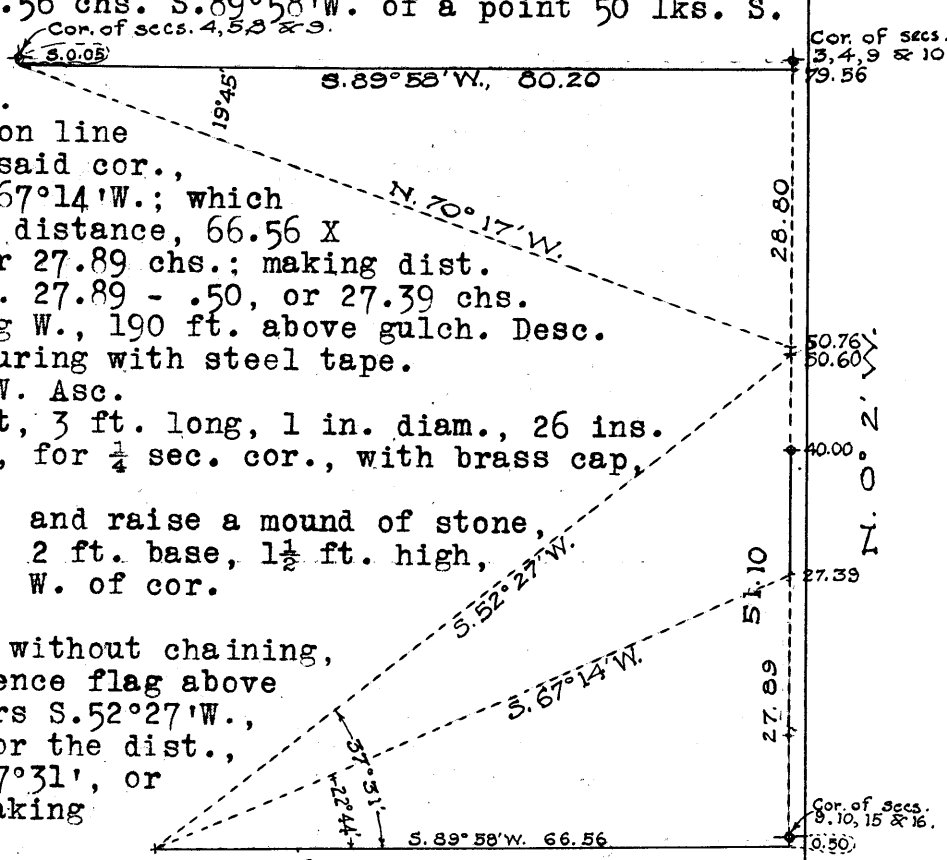
Bottom of gulch, course NW., 165 ft. below 33.20 ch. pt. Asc. gradually. The cor. of secs. 9, 10, 15 and 16.

Land, mountainous. Soil, 4th rate, rocky clay. No timber. Undergrowth, oak brush, cactus and amole. Grass, scant. Formation, lava and lava conglomerate.

N.0°02'W., bet. secs. 9 and 10, over mountainous land, through dense undergrowth. Desc. 290 ft., chaining roughly for topography. Gulch, course NW.

19.40

To obtain distance across same, over ground where accurate chaining is impracticable, proceed as follows: Set a flag 66.56 chs. S.89°58'W. of a point 50 lks. S. of the cor. of secs. 9, 10, 15 and 16.

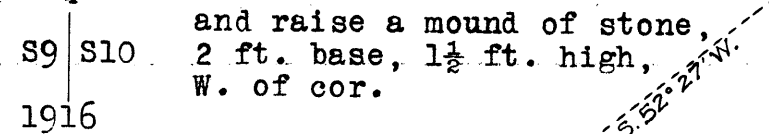


27.39
37.05
40.00

From a point on line N.0°02'W. of said cor., flag bears S.67°14'W.; which gives for the distance, 66.56 X tan 22°44', or 27.89 chs.; making dist. from sec. cor. 27.89 - .50, or 27.39 chs.

Spur, projecting W., 190 ft. above gulch. Desc. 275 ft., measuring with steel tape.

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



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Continue line without chaining, to a point whence flag above described bears S.52°27'W., which gives for the dist., 66.56 X tan 37°31', or 51.10 chs.; making dist. from

50.60
50.76
79.56
80.00

sec. cor., 51.10 - .50, or 50.60 chs. Spur, projecting W., 380 ft. above gulch. Triangulate as follows: Measure N.0°02'W., 16 lks. to

From this station, a flag 5 lks. S. of the cor. of secs. 4, 5, 8 and 9, hereinafter described, bears N.70°17'W.; which gives for the distance to pt. N.89°58'E. of flag, 80.20 (length of random line bet. secs. 4 and 9, hereinafter described) X tan 19°45', or 28.80 chs.; making total distance 50.76 + 28.80, or 79.56 chs.

Measure N.0°02'W., 44 lks., to Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, with brass cap, marked

Chains

T18N	R10W
S4	S3
S9	S10

1916

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

Land, mountainous.
Soil, rocky clay; 4th rate.
No timber.
Undergrowth, oak brush, amole and cactus.
Grass, scant.
Formation, lava.

40.00
79.88

East, on a random line, bet. secs. 3 and 10.
Set temp. ¼ sec. cor.
Intersect N. and S. line 46 lks. S. of the cor. of secs. 2, 3, 10 and 11.

9.00
14.60
23.20
26.90
33.50
39.94

Thence S.89°40'W., on a true line, bet. secs. 3 and 10, over mountainous land, through dense undergrowth.
Spur, projecting NW. Desc. gradually.
Gulch, course NW.
Top of spur, projecting NW.
Gulch, course N.
Top of spur, projecting NW. Desc. 90 ft.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

S	3
¼	—
	S10
	1916

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

51.50
53.70
65.80
79.88

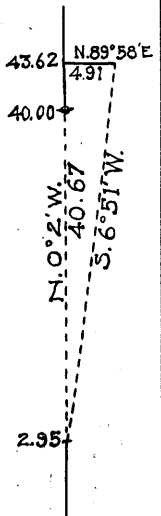
Asc. 130 ft.
Spur, projecting NW. Desc. 25 ft.
Head of gulch, course N. Asc. 320 ft., over cliffs.
Top of spur, projecting NW. Desc. 240 ft.
The cor. of secs. 3, 4, 9 and 10.

Land, mountainous.
Soil, 3rd rate rocky clay.
No timber.
Undergrowth, oak brush.
Grass, scant.
Formation, lava conglomerate and malpais.

2.95

N.0°02'W., bet. secs. 3 and 4, over mountainous land, through dense undergrowth, descending abruptly, over cliffs.

Leave flag for triangulation, and proceed with transit line, without chaining, to a point whence I measure a base N.89°58'E., 4.91 chs. From the E. end of this base, flag bears S.6°51'W., which gives for the distance, 4.91 X cotan 6°53', or 40.67 chs., making total distance from sec. cor., 2.95 + 40.67, or 43.62 chs. Measure S.0°02'E., 4.37 chs., to



39.25

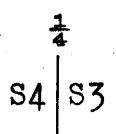
Bottom of gulch, course NW., 630 ft. below sec. cor. Stream, 4 lks. wide, 4 ins. deep. Asc. gradually.

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

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

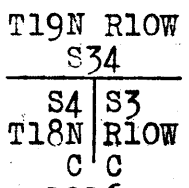
Chains



1916

- and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
- 43.62 Triangulation point. Continue measurement with steel tape, ascending on SW. slope.
- 59.30 Top of spur, projecting NW., 340 ft. above gulch. Desc. 170 ft.
- 71.85 Head of gulch, course NW. Asc. gradually.
- 81.03 Intersect S. bdy. of T. 19 N., R. 10 W., 6.25 chs. E. of the cor. of secs. 33 and 34, described in book L.

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



1916

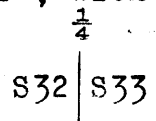
and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.

Land, mountainous.
Soil, 3rd and 4th rate.
No timber.
Undergrowth, oak brush, amole and cactus.
Grass, scant.
Formation, lava.

From the cor. of secs. 32 and 33, on S. bdy. of Tp., hereinbefore described;

N.0°02'W., bet. secs. 32 and 33,
over mountainous land, through dense undergrowth.
Asc. 100 ft., over malpais rocks.

- 5.80 Top of spur, projecting SW. Desc. 100 ft.
- 16.35 Bottom of gulch, course SW. Asc. abruptly.
- 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

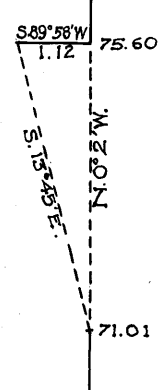


1916

- and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
- 49.50 Asc. over cliff, 30 ft. high. Saddle on spur projecting NE., 750 ft. above gulch. Desc. 115 ft.

65.50 Low pass bears N. and S. Asc. 100 ft., over E. edge of cliff 80 ft. high.

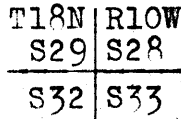
71.01 Triangulate to ft. of cliff as follows:
Leave a flag, and establish a station on line, from which I measure a base, S.89°58'W., 112 lks., to a point whence flag bears S.13°45'E.; which gives for the distance, 112 X cotan 13°43', or 4.59 chs.; making total distance 71.01 + 4.59, or 75.60 chs.



- 75.60 Triangulation point, 160 ft. below top of cliff. Continue measurement with steel tape, ascending 40 ft.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, surrounded by a mound of stone, (impracticable to set post deeper in the ground) for cor. of secs. 28, 29, 32 and 33, with brass cap, marked



1916

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

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, oak brush, manzanita, cactus and amole.

Grass, scant.

40.00 From cor. of secs. 28, 29, 32 and 33, offset N., 35 lks. East, on a random line, bet. secs. 28 and 33, on offset. Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line 42 lks. N. of the cor. of secs. 27, 28, 33 and 34. (Falling of line from cor. is 7 lks.)

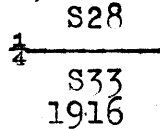
13.20 Thence N.89°57'W., on a true line, bet. secs. 28 and 33, over mountainous land, through chaparral. Desc. 100 ft.

Gulch, course SW. Stream, 3 lks. wide, 3 ins. deep, in bottom. Thence across a number of small gulches, through manzanita growth.

30.00 Stream, course SE., 4 lks. wide, 4 ins. deep.

38.10 Stream, 3 lks. wide, 2 ins. deep. Asc.

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, N. of cor.

44.90 Asc. through tall oak brush.

58.40 Thence through scattering brush. Asc. 240 ft. on steep slope.

72.90 Top of cliff, 65 ft. high. Thence over conglomerate rock.

74.50 Thence through dense undergrowth.

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

Land, mountainous.

Soil, rocky; 4th rate.

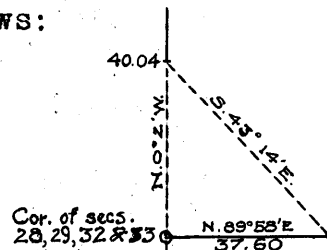
Timber, scattering juniper.

Undergrowth, oak brush, manzanita and cactus.

Formation, lava.

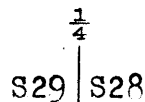
N.0°02'W., bet. secs. 28 and 29, over rough mountainous land, through dense undergrowth. Triangulate over abrupt SE. slope, across which accurate chaining is impracticable, as follows:

Establish a station on line from which a flag placed 37.60 chs. N.89°58'E. of sec. cor. bears S.43°14'E.; which gives for the distance, 37.60 X cotan 43°12', or 40.04 chs. Measure S.0°02'E., 4 lks., to



40.00 Set an iron post, 3 ft. long, 1 in. diam., in a crevice on rock ledge, surrounded by a mound of stone, for ¼ sec. cor., with brass cap, marked

Chains



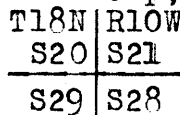
1916

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

40.04 Triangulation point, 575 ft. above sec. cor. Continue measurement with steel tape, over malpais cliffs, on rocky E. slope of mountain.

59.65 Saddle in ridge, bearing NE. and SW. Asc. 275 ft., along broken SW. slope of same.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, surrounded by a mound of stone, (impracticable to set post deeper in the ground) for cor. of secs. 20, 21, 28 and 29, with brass cap, marked



1916

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

Land, mountainous.

Soil, rocky; 3rd and 4th rate.

No timber.

Undergrowth, oak brush, cactus and amole.

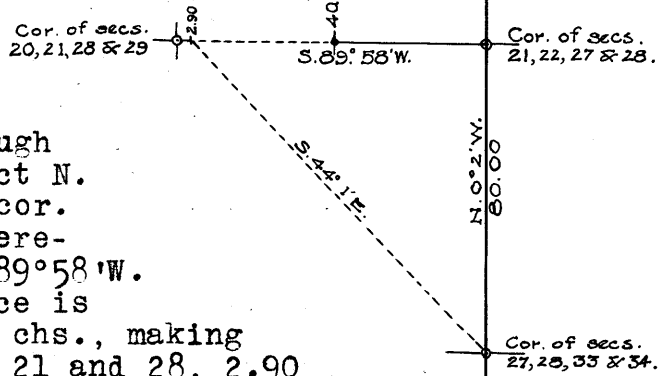
Grass, scant; fair grazing.

Formation, lava.

2.90

East, on a random line, bet. secs. 21 and 28. At this point, the cor. of secs. 27, 28, 33 and 34 bears S.44°01'E.

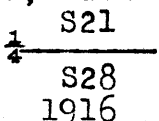
Continuing transit line without chaining, (accurate chaining being impracticable on account of the extremely rough nature of the surface), intersect N. and S. line 04 lks. S. of the cor. of secs. 21, 22, 27 and 28. Therefore the 2.90 ch. pt. bears S.89°58'W. from this cor., and the distance is 80.00 X cotan 46°01', or 77.20 chs., making length for the line bet. secs. 21 and 28, 2.90 + 77.20, or 80.10 chs.



Thence S.89°58'W., on a true line, bet. secs. 21 and 28, over mountainous land, through dense undergrowth; measuring distance to obtain point for 1/4 sec. cor.

29.10
40.05

Desc. gradually, along N. slope of divide. Top of ridge bears NW. and SE., 120 ft. below sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked



1916

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

Cor. is on divide, near W. edge, bearing SE. and NW.

Read vertical angle to triangulation point 2.90 chs. E. of the cor. of secs. 20, 21, 28 and 29, which is +13°, making point 560 ft. above 1/4 sec. cor.

78.40

Top of ridge, bearing NW. and SE., 570 ft. above 1/4 sec. cor. Desc. 20 ft.

80.10

The cor. of secs. 20, 21, 28 and 29.

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

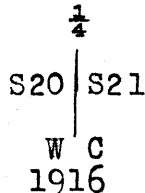
Undergrowth, oak brush, manzanita, cactus, amole and crucifixion thorn. Formation, malpais.

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

Chains

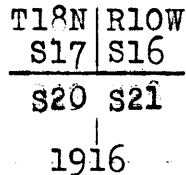
N.0°02'W., bet. secs. 20 and 21,
over mountainous land, through dense undergrowth.
Asc. 90 ft., over malpais boulders.

- 7.65 Ridge bears NW. and SE.
- 12.65 On E. slope of malpais formation.
- 19.00 Spur, projecting NE. Desc.
- 40.00 Point for $\frac{1}{4}$ sec. cor. falls in position where it is impracticable to establish a monument. Therefore at
- 40.84 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap, marked



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

- 66.70 On branch ridge W. of saddle in main ridge running N. and S., 820 ft. below 7.65 chain point. Asc. 100 ft., over conglomerate formation, through tall oak brush.
- 80.00 On ridge, bearing NW. and SE., 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



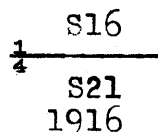
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, varying from rolling to rough mountainous
Soil, 3rd rate; rocky clay.
No timber.
Undergrowth, oak brush, locust, mesquite and catclaw.
Grass, scant; fair grazing.
Formation, lava and conglomerate.

- 40.00 East, on a random line, bet. secs. 16 and 21. Set temp. $\frac{1}{4}$ sec. cor.
- 79.70 Intersect N. and S. line 20 lks. S. of the cor. of secs. 15, 16, 21 and 22.

Thence S.89°51'W., on a true line, bet. secs. 16 and 21, over mountainous land, through dense undergrowth.
Asc. 240 ft.

- 12.10 Ridge bears NW. and SE. Desc.
- 30.00 Gulch, course SW. Continue descent, over malpais boulders.
- 39.85 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, surrounded by a mound of stone, (impracticable to set post deeper in the ground) for $\frac{1}{4}$ sec. cor., with brass cap, marked



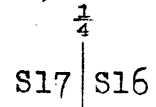
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Cor. is on SW. slope.

- 58.00 Top of conglomerate cliff, 15 ft. high.
- 64.00 Bottom of canyon, course NW.; 1110 ft. below ridge. Asc. through less dense undergrowth.
- 74.00 Asc. over cliff, 60 ft. high.
- 79.70 The cor. of secs. 16, 17, 20 and 21, 240 ft. above canyon. Land, mountainous. Soil, 3rd and 4th rate. No timber. Undergrowth, oak brush, cactus, and chaparral. Grass, scant. Formation, lava and conglomerate.

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

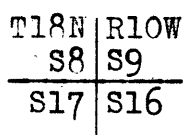
Chains

N.0°02'W., bet. secs. 16 and 17,
 over mountainous land, through dense undergrowth.
 Desc. 275 ft., over malpais cliffs.
 18.45 Bottom of canyon, course NW. Asc. 235 ft.
 35.75 Top of spur, projecting NW.
 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



1916
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 49.80 Top of spur, projecting W. Desc.
 56.60 Enter dense scrub oak.
 59.15 Bottom of gulch, course SW., 230 ft. below spur.
 61.25 Leave oak thicket, and ascend.
 66.70 Top of cliff, 50 ft. high.
 73.60 Top of ridge, bearing NE. and SW., 335 ft. above gulch.
 Desc. 45 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 8, 9, 16 and 17, with brass
 cap, marked



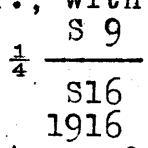
1916
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.

Land, mountainous.
 Soil, 2nd to 4th rate.
 No timber.
 Undergrowth, oak brush and scrub oak.
 Grass, scant; fair grazing.
 Formation, lava.

 40.00 East, on a random line, bet. secs. 9 and 16.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect N. and S. line 44 lks. S. of the cor. of secs.
 9, 10, 15 and 16.

Thence S.89°41'W., on a true line, bet. secs. 9 and 16,
 over mountainous land, through dense undergrowth.
 Desc. 730 ft.

33.60 Bottom of gulch, course NW. Asc. gradually.
 39.96 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



1916
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 44.65 Asc. over malpais cliff, 15 ft. high.
 66.55 Desc. 120 ft., on NW. slope.
 79.92 The cor. of secs. 8, 9, 16 and 17.

Land, mountainous.
 Soil, volcanic ash and clay; 2nd to 4th rate.
 No timber.
 Undergrowth, oak brush, cactus and amole.
 Grass, scant; fair grazing.
 Formation, lava.

Chains

N.0°02'W., bet. secs. 8 and 9,
over mountainous land, through dense undergrowth.
Desc. 140 ft., over malpais cliffs.

10.30 Bottom of canyon, course SW. Asc. 165 ft.

40.00 On top of ridge bearing E. and 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

$$\frac{1}{4}$$

S8	S9
----	----

1916

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

Desc. abruptly, across head of gulch, course NW. Growth
of juniper 100 lks. E. of line.

54.70 Spur, projecting NW.

61.35 Bottom of gulch, course NW., 300 ft. below ridge.

Desc. 70 ft.

66.83 Bottom of gulch, course SW. Asc. 300 ft.

79.15 Spur, projecting NW. Desc. 20 ft.

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

T18N	R10W
S5	S4
S8	S9

1916

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

Land, mountainous.

Soil, rocky clay; 3rd rate.

No timber.

Undergrowth, oak brush, cactus and amole.

Grass, scant.

Formation, lava.

40.00 East, on a random line, bet. secs. 4 and 9.

Set temp. $\frac{1}{4}$ sec. cor.80.20 Intersect N. and S. line 44 lks. S. of the cor. of secs.
3, 4, 9 and 10.Thence S.89°41'W., on a true line, bet. secs. 4 and 9,
over mountainous land, through dense undergrowth.

Desc. 475 ft.

18.80 Bottom of gulch, course WNW. Desc. 55 ft. along gulch.

25.63 Bottom of gulch, course NW. Asc. 130 ft.

33.50 Top of spur, projecting NW. Desc.

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

S4	
----	--

S9

1916

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

50.50 No face of rock outcrop.

58.85 Bottom of gulch, course NW., 250 ft. below spur.

62.50 Spur, projecting NW. Desc. gradually, 50 ft.

65.40 Gulch, course N. Asc. 200 ft.

80.20 The cor. of secs. 4, 5, 8 and 9.

Land, mountainous.

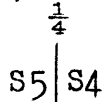
Soil, clay, 3rd and 4th rate.

No timber. Undergrowth, oak brush, cactus and greasewood.

Grass, scant. Formation, lava conglomerate and malpais.

Chains

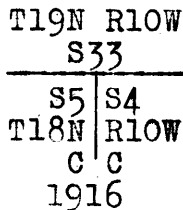
N.0°02'W., on a true line, bet. secs. 4 and 5,
 over mountainous land, through dense undergrowth.
 Desc. 140 ft., along E. slope of spur.
 9.75 Saddle in spur projecting N.
 14.75 Desc. gradually, along E. slope of spur.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked



1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 Desc. over malpais conglomerate rock, along E. side of
 spur projecting NW.
 81.37 Intersect S. bdy. of Tp. 19 N., R. 10 W., 6.09 chs. E.
 of the cor. of secs. 32 and 33, described in book L.

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



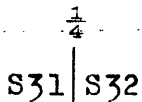
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 S. of cor.

Cor. is in bottom of gulch, course NW.

Land, mountainous.
 Soil, clay: 2nd to 4th rate.
 No timber.
 Undergrowth, oak brush, amole and cactus.
 Grass, scant.
 Formation, malpais.

From the cor. of secs. 31 and 32, on S. bdy. of Tp.,
 hereinbefore described;

N.0°03'W., bet. secs. 31 and 32,
 over mountainous land, through scattering undergrowth.
 Asc. 65 ft.
 12.35 Top of spur, projecting SW.
 19.65 Bottom of gulch, course SW. Asc.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
 ground, surrounded by a mound of stone, (impracticable
 to set post deeper in the ground) for $\frac{1}{4}$ sec. cor., with
 brass cap, marked



1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 41.40 Top of spur, projecting SW., 260 ft. above gulch. Desc.
 175 ft.
 50.60 Bottom of gulch, course SW. Small stream in bottom.
 Asc. 380 ft.
 64.80 Top of rocky spur, projecting SW. Desc. 60 ft.
 71.30 Gulch, course SW. Asc. 160 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the
 ground, for cor. of secs. 29, 30, 31 and 32, with brass
 cap, marked

Chains

T18N	R10W
S30	S29
S31	S32

1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to set post deeper in the ground. Raise mound of stone, around same.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, oak brush, cactus and yucca.

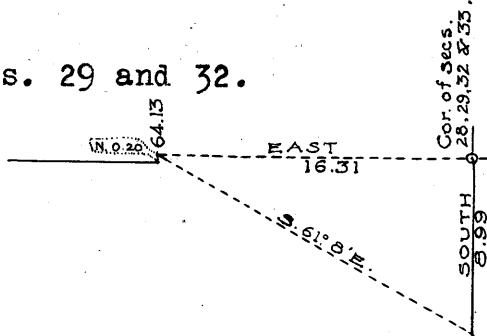
40.00
64.13

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

Set temp. ¼ sec. cor.

Triangulate as follows:

From a point 20 lks. N. of station, the cor. of secs. 28, 29, 32 and 33 bears E., and a flag 8.99 chs. S. of same bears S.61°08'E., which gives for the distance to sec. cor., $8.99 \times \tan 61°08'$, or 16.31 chs.; making total distance for mile $64.13 + 16.31$, or 80.44 chs.



S.89°51'W., on a true line, bet. secs. 29 and 32, over mountainous land, through scattering undergrowth. Asc. abruptly.

16.31 Triangulation point, on cliff, on ridge bearing N. and S. Asc. over malpais boulders.

16.90 Desc. from cliff, along SW. slope, 340 ft.

37.80 Asc. over cliff 40 ft. high.

38.75 Top of same.

40.22 Set an iron post, 3 ft. long, 1 in. diam., in a mound of stone, (impracticable to set post in the ground) for ¼ sec. cor., with brass cap, marked

S29

¼

S32

1916

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

Desc. 575 ft., over malpais boulders and cliffs.

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

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, oak brush, cactus and amole.

Grass, scant.

Formation, lava.

40.00

West, on a true line, bet. secs. 30 and 31, descending gradually, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, surrounded by a mound of stone, (impracticable to set post deeper in the ground) for ¼ sec. cor., with brass cap, marked

S30

¼

S31

1916

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

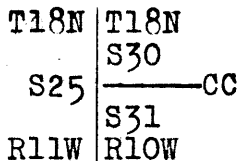
Chains

79.90 Continue descent over gently sloping ground.
Bottom of gulch, course SW., 350 ft. below sec. cor.
Asc. 60 ft.

94.35 Spur, projecting SW. Desc. gradually, 280 ft.
148.26 Intersect E. bdy. of Tp. 18 N., R. 11 W., 333 kks. N. of
the cor. of secs. 25 and 36, described in book D.

At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for closing cor. of secs. 30 and 31, with brass
cap, marked



1916
and raise a mound of stone, 2 ft. base, 1½ ft. high,
E. of cor.

Land, mountainous and rolling.

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

No timber.

Undergrowth, oak brush, Spanish dagger and cactus.

Grass, scant.

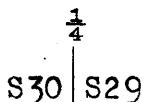
Formation, malpais.

N.0°03'W., bet. secs. 29 and 30,
over mountainous land, through scattering undergrowth.
Asc. 60 ft., over malpais rocks.

4.40 Spur, projecting W. Desc. 320 ft.
19.10 Bottom of gulch, course NW. Asc. 460 ft.

36.40 Top of ridge bears E. and W. Desc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
ground, surrounded by a mound of stone, (impracticable
to set post deeper in the ground) for ¼ sec. cor., with
brass cap, marked

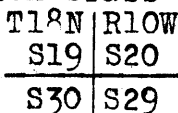


1916
and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.

63.40 Bottom of gulch, course SW., 450 ft. below ridge. Asc.
375 ft.

79.00 Top of spur, projecting SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the
ground, surrounded by a mound of stone, (impracticable
to set post deeper in the ground) for cor. of secs.
19, 20, 29 and 30, with brass cap, marked



1916
and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, oak brush, cactus and amole.

Grass, scant; fair grazing.

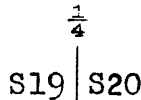
Formation, malpais.

Chains

- 40.00 East, on a random line, bet. secs. 20 and 29.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. and S. line 15 lks. S. of the cor. of secs. 20, 21, 28 and 29.
- Thence S. $89^{\circ}54'$ W., on a true line, bet. secs. 20 and 29, over mountainous land, through scattering undergrowth. Desc. over malpais rocks.
- 10.40 Saddle in E. and W. ridge, N. of line. Thence along S. edge of cliff.
- 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
- S20
 $\frac{1}{4}$ ———
S29
1916
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 80.10 Desc. from cor., along S. slope.
The cor. of secs. 19, 20, 29 and 30, 780 ft. below the cor. of secs. 20, 21, 28 and 29.
- Land, mountainous.
Soil, rocky; 3rd and 4th rate.
No timber.
Undergrowth, oak brush, amole and cactus.
Grass, scant; fair grazing.
Formation, lava.
-
- 40.00 West, on a true line, bet. secs. 19 and 30, over mountainous land, through scattering undergrowth. From cor., desc. over cliff, and thence gradually, along S. slope, 300 ft.
- 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
- S19
 $\frac{1}{4}$ ———
S30
1916
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 148.59 Desc. very gradually, along S. slope.
Intersect E. bdy. of Tp. 18 N., R. 11 W., 312 lks. N. of the cor. of secs. 24 and 25, described in book D.
- At point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 19 and 30, with brass cap, marked
- | | | |
|------|-------|----|
| T18N | T18N | |
| S24 | S19 | |
| | ————— | CC |
| R11W | S30 | |
| | R10W | |
- 1916
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
- Land, rolling mountainous.
Soil, rocky; 3rd and 4th rate.
No timber.
Undergrowth, oak brush.
Grass, fair.
Formation, lava.
-

Chains

N.0°03'W., bet. secs. 19 and 20,
 over mountainous land, through scattering undergrowth.
 Asc. 30 ft., over malpais boulders.
 7.50 Ridge bears E. and W Desc. 320 ft.
 22.95 Bottom of gulch, course NW Asc. 30 ft.
 35.40 Spur, projecting W. Desc.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, surrounded by a mound of stone, (impracticable
 to set post deeper in the ground) for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked



1916

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

44.35 Gulch, course SW., 150 ft. below spur. Asc. 100 ft.

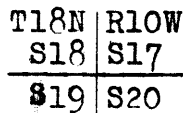
52.85 Spur, projecting SW.

55.85 Desc. 130 ft., into gulch.

67.00 Gulch, course SW. Asc. 150 ft.

78.20 Spur, projecting SW. Thence over flat top of spur.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 17, 18, 19 and 20, with brass
cap, marked



1916

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

Land, mountainous.

Soil, 3rd rate: clay.

No timber.

Undergrowth, oak brush.

Grass, scant: fair grazing.

Formation, lava.

40.00 East, on a random line, bet. secs. 17 and 20.

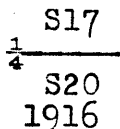
80.20 Set temp. $\frac{1}{4}$ sec. cor.

Intersect N. and S. line 11 lks. S. of the cor. of secs.
16, 17, 20 and 21.

Thence S.89°55'W., on a true line, bet. secs. 17 and 20,
over mountainous land, through scattering undergrowth.
Desc. from ridge, 400 ft.

31.80 Bottom of canyon, course NW. Asc.

40.10 Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, on a malpais ledge, 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.

58.00 Top of rocky spur, projecting W., 250 ft. above bottom of
canyon. Desc. 200 ft. along top of spur.

80.20 The cor. of secs. 17, 18, 19 and 20.

Land, mountainous.

Soil, rocky; 3rd rate clay and volcanic ash.

No timber.

Undergrowth, oak brush, cactus and amole.

Grass, fair.

Formation, lava.

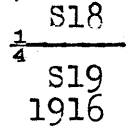
Completion of
Subdivision of T. 18 N., R. 10 W.

Chains

West, on a true line, bet. secs. 18 and 19,
over mountainous land, through scattering undergrowth.
Desc. gradually.

38.20 Desc. abruptly into gulch.

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



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

45.80 Bottom of gulch, course NE., 400 ft. below sec. cor.
Asc. 90 ft.

53.80 Summit.

58.50 Desc. 100 ft.

66.53 Gulch, course SW. Asc. gradually.

92.00 Thence desc. gradually, over gently sloping ground.

115.80 Bottom of gulch, course SW. Asc. 80 ft.

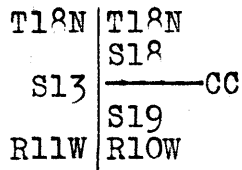
126.15 Spur, projecting SW. Desc. 100 ft.

136.85 Gulch, course SW. Asc. gradually.

148.30 Intersect W. bdy. of Tp. 307 lks. N. of the cor. of secs.
13 and 24, described in book D.

At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for closing cor. of secs. 18 and 19, with brass
cap, marked



1916

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

Land, mountainous and rolling.

Soil, rocky; 4th rate.

No timber.

Undergrowth, oak brush.

Grass, fair.

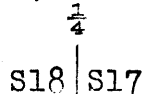
Formation, lava.

N. 0° 03' W., bet. secs. 17 and 18,
over rolling mountainous land, through scattering under-
growth. Desc. 250 ft., over malpais rocks, from top of spur.

19.80 Bottom of canyon, course SW. Asc. 150 ft.

31.20 Spur projecting SW.

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



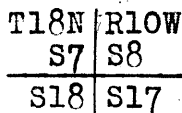
1916

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

50.00 Thence on W. slope.

59.65 Gulch, course SW. Asc. 190 ft.

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, with brass
cap, marked



1916

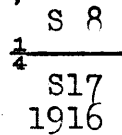
Chains

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

Land, rolling mountainous.
Soil, clay and volcanic ash; 2nd to 4th rate.
No timber.
Undergrowth, oak brush, cactus and amole.
Grass, scant; fair grazing.
Formation, lava.

40.00 East, on a random line, bet. secs. 8 and 17.
80.40 Set temp. ¼ sec. cor.
Intersect N. and S. line 16 lks. S. of the cor. of secs. 8, 9, 16 and 17.

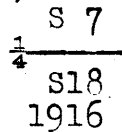
14.80 Thence S.89°53'W., on a true line, bet. secs. 8 and 17,
291.80 over mountainous land, through scattering undergrowth.
40.20 Desc. 140 ft., along NW. slope.
Thence asc. gradually.
Spur, projecting NW. Desc. into canyon.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



46.25 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
Bottom of canyon, course NW., 220 ft. below spur.
Asc. 265 ft.
69.50 Summit. Desc. 60 ft.
80.40 The cor. of secs. 7, 8, 17 and 18.

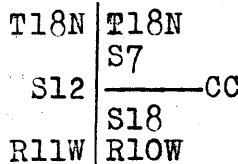
Land, mountainous.
Soil, clay; 3rd rate.
No timber.
Undergrowth, oak brush and cactus.
Grass, scant.
Formation, malpais.

40.00 West, on a true line, bet. secs. 7 and 18,
over rolling land, through scattering undergrowth,
descending on gentle W. slope.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



148.65 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
Continue gradual descent.
Intersect E bdy. of T. 18 N., R. 10 W., 300 lks. N. of the cor. of secs. 12 and 13, described in book D.

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 18, with brass cap, marked



Chains

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

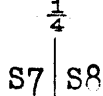
Land, rolling.
Soil, 2nd to 4th rate.
No timber.
Undergrowth, oak brush and cactus.
Grass, scant.

N.0°03'W., bet. secs. 7 and 8, over rolling mountainous land, through scattering undergrowth. Desc. 300 ft., into canyon.

16.15 Bottom of canyon, course NW. Small stream in bottom. Asc. 280 ft.

30.55 Spur, projecting NW. Desc. 125 ft.

40.00 Bottom of gulch, course NW.
Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, for ¼ sec. cor., with brass cap, marked



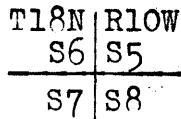
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Impracticable to set post deeper in the ground. Raise mound of stone, around same.

Asc. 140 ft. from gulch.

58.65 Top of divide, bearing NW. and SE. Desc. gradually.

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, with brass cap, marked



1916

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

Land, rolling mountainous.
Soil, clay and volcanic ash; 2nd to 4th rate.
No timber.
Undergrowth, oak brush and cactus.
Grass, scant; fair grazing.
Formation, lava.

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

40.00 Set temp. ¼ sec. cor.

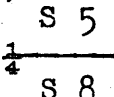
80.42 Intersect N. and S. line at the cor. of secs. 4, 5, 8 and 9.

Thence West, on a true line, bet. secs. 5 and 8, over mountainous land, through scattering undergrowth. Asc. 30 ft., over malpais boulders.

2.50 Spur, projecting NW. Desc. 150 ft., along S. slope.

19.20 Summit, on SW. slope. Desc. 250 ft., gradually.

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



1916

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

43.30 Bottom of gulch, course N.

45.00 Asc. 120 ft., over malpais rocks.

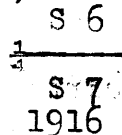
Chains

66.80 Spur, projecting NW. Desc. 70 ft.
80.42 The cor. of secs. 5, 6, 7 and 8.

Land, mountainous.
Soil, clay; 2nd to 4th rate.
No timber.
Undergrowth, oak brush, cactus and amole.
Grass, scant.
Formation, lava.

25.00 West, on a true line, bet. secs. 6 and 7,
40.00 over rolling mountainous land, through scattering under-
growth. Asc. on gentle slope.

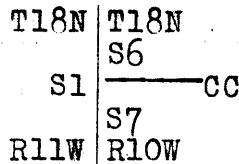
Thence desc. gradually.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for 1/4 sec. cor., with brass cap, marked



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

57.40 Desc. gradually, along S. slope.
106.85 Draw, course NW. Thence along N. slope.
137.85 Desc. along N. slope.
148.58 Desc. over rim rock 60 ft. high, into canyon.
Intersect E. bdy. of Tp. 18 N., R. 11 W., 320 lks. N. of
the cor. of secs. 1 and 12, described in book D.

At point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for closing cor. of secs. 6 and 7, with brass
cap, marked

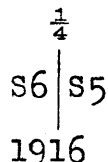


1916
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
E. of cor.

Land, rolling mountainous.
Soil, 3rd rate; rocky clay.
No timber:
Undergrowth, oak brush, cactus and amole.
Grass, scant.
Formation, malpais.

19.50 From cor. of secs. 5, 6, 7 and 8
40.00 N. 0° 03' W., on a true line, bet. secs. 5 and 6,
over rolling mountainous land, through scattering under-
growth. Asc. very gradually.

Thence desc. very gradually.
Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
ground, surrounded by a mound of stone, (impracticable
to set post deeper in the ground) for 1/4 sec. cor., with
brass cap, marked



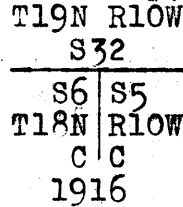
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.

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

Chains

41.80 Gulch, course NW. Asc. 65 ft.
48.95 Summit: desc. gradually.
51.90 Gulch, course W.
62.30 Top of mesa. Thence over gentle NW. slope.
81.36 Intersect S. bdy. of T. 19 N., R. 10 W., 553 lks. E. of
the cor. of secs. 31 and 32, described in book L.

At point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the
ground, surrounded by a mound of stone, (impracticable
to set post deeper in the ground) for closing cor. of
secs. 5 and 6, with brass cap, marked



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

Land, rolling mountainous.
Soil, rocky clay; 2nd to 4th rate.
No timber.
Undergrowth, oak brush and cactus.
Grass, fair.
Formation, lava.

Boundaries of T. 18 N., R. 10 W.

Latitudes, Departures, and Closing Errors.

Line designated	True Course	Dist. chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
South Boundary	S.89°21'W.	39.59		.24		39.59
	S.89°03'W.	38.64		.67		38.63
	West	468.37				468.37
West Boundary	North	481.08	481.08			
North Boundary	East	546.58			546.58	
East Boundary	South	401.23		401.23		
	S.0°12'E.	79.26		79.26	.28	
Convergency					.58	
Totals			481.08	481.40	547.44	546.59
				481.08	546.59	
Error in latitude				.32		
	Error in departure				.85	

General Description

of

of the township, ...

The surface of this township is very rough and broken, with high ridges and deep canyons. Mohon Mountain, in the north east part of the township, is the highest point for many miles. The principal drainage is north northwest and northeast to Trout and Cow Creeks, and south and west to Francis Creek. Mohon Spring, in section 2, is the only spring of any size which can be depended on for water at all times.

The soil is rocky, 4th rate, all non-agricultural.

The south central part of the township contains numerous brushy basins having considerable undergrowth of wild walnut, live oak and chaparral. With the exception of a few pine trees in the NE. corner of the township, there is no timber of commercial size. The grass is scant and short.

Some indications of bismuth have been reported in the northern portion.

A cabin is located at Mohon Spring in section 2.

FOR LIST OF ASSISTANTS, to H.D. Jackson and Eugene L. Harshbarger, U. S. Transimen, see Book "A" of this Group.

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BOOK 3212
40

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~ ^{TRANSITMAN.}

JAN 2 1918

I, Eugene L. Harshbarger, U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 50, Arizona, bearing date of the 20th day of February, 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 South boundary, and resurveyed all those parts of the South boundary of

TOWNSHIP 18 NORTH, RANGE 10 WEST,

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in and diagram on page 43 hereof the foregoing field notes, as having been executed by me, and under my direction; and that all the corners of said survey, ^{and resurvey} 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 50, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey. ^{and resurvey.}

Eugene L. Harshbarger

U. S. Surveyor
Transitman

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.

Group 50 - - - Arizona.

4-680

Township 18 North, Range 10 West.

BOOK 2217

DATE DIAGRAM

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

Cor. corrected by Otis Ross, U.S.S., Dec. 9, 1919

Surveys executed on dates shown in red on full lines, and resurveys on dotted lines, on above diagram, by Harry D. Jackson, U. S. Transitman.

Surveys executed on dates shown in green on full lines, and resurveys on dotted lines, on above diagram, by Eugene L. Harshbarger, U. S. Transitman.

Corrections by Otis Ross, U.S. Surveyor, Dec. 9, 1919, indicated thus "x".

CERTIFICATE OF UNITED STATES

42

I, Harry D. Jackson, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 50, Arizona, bearing date of the 20th day of February, 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 ~~of the subdivision lines, and resurveyed all those parts or portions of the south boundary and subdivision lines~~ of TOWNSHIP 18 NORTH, RANGE 10 WEST, of the Gila and Salt River Base & Meridian, in the State of Arizona, which are represented in and diagram on the reverse hereof the foregoing field notes, as having been executed by me, and under my direction; and that all the corners of said survey and resurvey 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 50, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey, and resurvey.

Harry D. Jackson
U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix, Arizona, September 24, 1918.

The foregoing field notes of the survey of the completion of the south boundary and subdivision lines, the resurvey of a portion of the south boundary and subdivision lines of Township 18 North, Range 10 East, of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Harry D. Jackson, and Eugene L. Harshbarger, U. S. Transitsmen,

~~XXXXXX~~

under ~~its~~ special instructions dated February 20, ^{1915 and} 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.

Frank D. Smith
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.

4-680

FIELD ASSISTANTS. to

Otis Ross, U. S. Surveyor.

NAMES.	CAPACITY.
Harvey W. Lyster.	1st chainman.
Claude F. Warner.	2nd chainman.
Alva L. Bowers.	cornerman.
James Farrell.	flagman and cornerman.

CERTIFICATE OF UNITED STATES SURVEYOR.

BOOK 3212
I, Otis Ross,

U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 50, Arizona, bearing date of the 15th day of September, 1919, 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, ^{corrected} ~~surveyed~~ all those parts or portions of the resurvey and survey of Subdivision lines of

TOWNSHIP 18 NORTH, RANGE 10 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in and by diagram on page 41 hereof the foregoing field notes, as having been executed by me, and under my direction; and that all the corners of ^{corrections} ~~same~~ 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 50, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~same~~ corrections.

Otis Ross
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, March 10, 1920

The foregoing field notes of the survey of part of the south boundary, and part of subdivision lines, and Resurvey of part of the south boundary, and part of the subdivision lines of all of

TOWNSHIP 18 NORTH, RANGE 10 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Harry D. Jackson and Eugene L. Harshbarger, U.S. Transitmen, with corrections by Otis Ross, U. S. Surveyor, under ~~the~~ special instructions dated Feb'y. 20, 1915 & Sept. 15, 1919, for Group 50, Arizona, ^{resurveys} ~~for~~ having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys & they describe, are hereby approved.

Frank C. Frost
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.