

FIELD NOTES

OF RESURVEY OF

Part of the North Boundary and

Part of the Subdivision Lines of

Township 1 North, Range 4 East.

AND OF SURVEY OF

Part of the Subdivision of Section Lines of Sections 3, 9 and 10

West Line of Right-of-Way of the Arizona Cross Cut Canal
thru sec. 10; and thru NE $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. 9

OF

Township 1 North, Range 4 East

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Francis B. Joy, U. S. Cadastral Engineer.

In the capacity of U. S. Surveyor, under Special Instructions dated November 3,

1930, issued by the District Cadastral Engineer to govern surveys included in Group

No. 106 Arizona, which were approved by the Commissioner of the General Land

Office, November 15, 1930, and Assignment Instructions dated January 2, 1931

To divide certain lands of the abolished Papago Saguaro National Monument and provide for their disposition under grant to the State of Arizona, City of Tempe, and the Salt River Valley Water Users Association. Survey commenced March 5, 1931

Survey completed April 3, 1931

3940

3940

INDEX DIAGRAM.

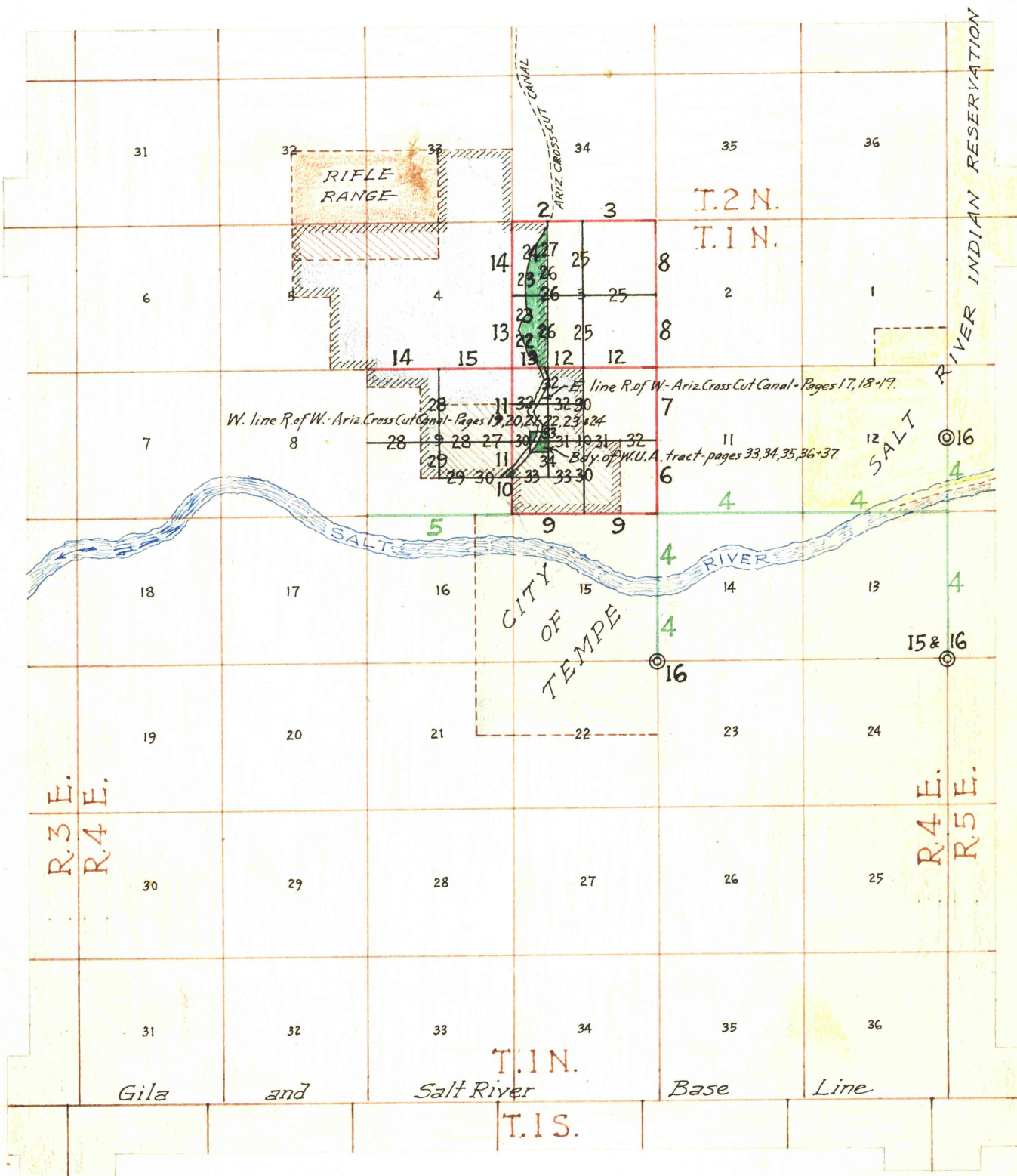
Township , *Range*

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

Book "F"
Group 166 Arizona

INDEX DIAGRAM

BOOK 3940



Boundary of Papago Saguaro National Monument (subsequent to elimination in 1922)

- | | | | |
|--|---|--|---|
| | Surveyed under this group. | | Resurveyed under this group. |
| | Retracement for the resurveys of this group. | | Unsurveyed subdivision-of-section lines. |
| | Accepted, surveyed lines. | | Area granted to City of Tempe from the Papago Saguaro National Mon. |
| | Areas of public and private land surveyed, as per accepted plats on file. | | Area granted to National Guard from P.S.N.M. for addition to Rifle Range. |
| | Area within the limits of the City of Tempe, Arizona. | | Area granted to the State of Arizona from the P.S.N.M. |
| | Area within the boundary of the Salt River Indian Reservation. | | Area granted to the Salt River Valley Water Users's Association from P.S.N.M. |
| | Area within the National Guard Rifle Range. | | |

© Remote cors. reconstructed as control points for the resurveys herein described.

Resurveys and surveys herein described were executed March 5 to April 3, 1931, inclusive, by Francis E. Joy, U.S. Cadastral Engineer, using a Buff & Buff light mountain transit No. 16724, constructed in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of 4 1/2 ins., with two double opposite verniers reading to single minutes; the vertical circle has a diameter of 4 ins., with one double vernier reading to single minutes. The instrument is equipped with the improved Smith solar attachment; radius of latitude arc 2 1/2 ins., and of declination arc 3 1/2 ins., each with verniers reading to single minutes. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the surveys of this group, tested and found free from appreciable error, was approved by the district cadastral engineer on January 2, 1931. All instrumental adjustments were examined immediately before making the field tests herein-after recorded.

The directions of all lines were determined by the solar transit method. The measurements were made with a Lallie steel tape, 5 chs. in length, graduated every link for the first 100 lks., and thereafter at intervals of 10 lks. The tape was tested by comparison with a Keuffel & Esser standard tape and found correct. The measurements were made on the slope, the vertical angle of each interval determined by clinometer, and the slope measurements properly reduced to horizontal equivalents for entry in the field notes.

At camp about 20 chs. W. of the center of sec. 10, T. 1 N., R. 4 E., of the G. & S. R. B. & M., Arizona, in latitude 33° 26' N., longitude 111° 56' W., make observations for meridian, and verify time and latitude as follows:

March 4, 1931; at 6h. 14m. 46s. p.m., l.m.t., or 6h. 42m. 22s. p.m. by watch, which reads correct 105th meridian time as determined by comparison with a Western Union clock, make hour angle observations on Polaris, west of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from an iron pipe, about 1 mile distant, in the direction S.-E.-N. to Polaris.

| | |
|---|--|
| Mean horizontal angle, Polaris to pipe- | 166° 54' 00" N-E-S. |
| Azimuth of Polaris | 1° 00' 19" W. |
| True bearing to pipe | N. 165° 53' 41" E. or S. 14° 06' 19" E. |

March 5, 1931, make meridian observations on the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb:

| | |
|---------------------------------|----------------|
| Mean observed altitude | 50° 23' 00" |
| Reduced latitude | 33° 26' 21" N. |
| Mean watch time of observations | 12h. 39m. 30s. |
| Watch fast of local mean time | 27m. 36s. |

March 8, 1931, every hour from 8 to 11 a.m., and 1:30 to 4 p.m., make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the transit, when compared with true meridian, has a maximum error of less than 1 1/2'.

Repeat the tests of the arcs daily by noon observation, and verify the meridional indications at frequent intervals throughout the progress of the surveys herein described.

Resurvey of Part of the North Boundary of T. 1 N., R. 4 E.

Chains

The north boundary of T. 1 N., R. 4 E. was surveyed by W.F. Ingalls, U.S.D.S. in 1868, establishing common reference corners thereon at 40 ch. intervals, counting from E. to W.

The north boundary of section 1 was resurveyed in 1910 by R.A. Farmer, U.S.S. in connection with resurveys and surveys of the Salt River Indian Reservation.

There is no record on file in the U.S. Public Survey Office of any other resurvey or retracement of any part of said township boundary.

The following notes describe a dependent resurvey of the north bdy. of sec. 3, T. 1 N., R. 4 E. reconstructing the existing corners with their original reference, and establishing the west $\frac{1}{16}$ sec. cor. of secs. 3 and 34 at midpoint of the west half of line bet. said secs.

From cor. of secs. 2, 3, 34 and 35,
West, on random line, bet. secs. 3 and 34 (E. $\frac{1}{2}$)

39.78 Fall 70 lks. N. of the $\frac{1}{4}$ sec. cor.
True course and dist.: - N. 89° 00' E., 39.79 chs.

Thence
West, on random line, bet. secs. 3 and 34 (W. $\frac{1}{2}$)

20.00 Set temp. W. $\frac{1}{16}$ sec. cor.

39.62 Fall 39 lks. S. of the cor. of secs. 3, 4, 33 and 34.
True course and dist.: - S. 89° 26' E., 39.62 chs.

The cor. of secs. 3, 4, 33 and 34 is a limestone 3x11x10 ins. above ground, firmly set, marked with 3 grooves on each of N. and S. faces, and GC on the W. face. No accessories.

Reconstruct this cor. monument as follows:
alongside old stone, set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, with brass cap mkd.



1931

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

Thence
S. 89° 26' E., on true line, bet. secs. 3 and 34 (W. $\frac{1}{2}$)
Over nearly level land, thru scattering undergrowth.

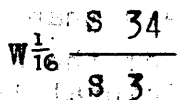
-4.20 Dim road, bears NE. and SW.

7.50 Drain, course SE.

15.00 Same road, brs. NW. and E. Thence along road.

18.20 Leave road, bears NE. and W.

19.81 (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for the west $\frac{1}{16}$ sec. cor. of secs. 3 and 34, with brass cap mkd.



1931

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

Resurvey of Part of the North Boundary of T. 1 N., R. 4 E.

| | | | | | | | | | |
|--------|---|-----|-----|-----|-----|----|----|-----|-----|
| Chains | From this cor. the N. prong of a power transmission line tower bears S.47°35'W., 77 lks. dist. | | | | | | | | |
| 21.83 | Center of Arizona Cross-Cut Canal, 60 lks. wide, bears N.15° 44'E. and S.15°44'W. | | | | | | | | |
| 22.45 | Road, on canal bank. | | | | | | | | |
| 23.10 | Telephone line, bears N. and S. Enter lane, 100 lks. wide. | | | | | | | | |
| 24.00 | House, bears S. about 3.40 chs. dist. | | | | | | | | |
| 24.80 | House, bears N. about 1.50 chs. dist. | | | | | | | | |
| 39.50 | Irrigation ditch, 10 lks. wide, course S. | | | | | | | | |
| 39.62 | Intersect the $\frac{1}{4}$ sec. cor., which is an iron bar, $\frac{1}{2}$ in. square, firmly set in ground, with its top 12 ins. below the surface, on bank of ditch, at S. edge of a graded road. This cor. monument is a restoration of the original cor. by U.S. Reclamation Service engineers, agrees with property lines to N. and S., and is used by local surveyors. Reconstruct this cor. monument as follows: alongside the iron bar, set an iron post, 3 ft. long, 1 in. in diam., 46 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 3 and 34, with brass cap mkd. | | | | | | | | |
| | $\frac{1}{4} \frac{S \ 34}{S \ 3}$ | | | | | | | | |
| | 1931 | | | | | | | | |
| | from which | | | | | | | | |
| | a cottonwood, 30 ins. diam., bears N.11 $\frac{3}{4}$ °E., 73 lks. dist., mkd. $\frac{1}{4}$ S34 BT | | | | | | | | |
| | a mesquite, 6 ins. diam., bears S.1 $\frac{1}{2}$ °E., 83 lks. dist., mkd. $\frac{1}{4}$ S3 BT | | | | | | | | |
| | Thence N.89°00'E., on true line, bet. secs. 3 and 34 (E. $\frac{1}{2}$) Over nearly level land, along road. | | | | | | | | |
| 17.50 | House, bears S. about 1.60 chs. dist. | | | | | | | | |
| 37.60 | Windmill and tank, bears S. about 2 chs. dist. | | | | | | | | |
| 38.20 | House, bears S. about 2 chs. dist. | | | | | | | | |
| 39.79 | Intersect the cor. of secs. 2, 3, 34 and 35, which is an iron pipe, 1 in. in diam., firmly set, with its top flush with surface of pavement in highway bearing N. and S. From which, the north prong of power transmission line tower bears S.55 $\frac{1}{2}$ °E., 64 lks. dist. an eucalyptus shade tree, 24 ins. diam., bears S.45°W., 71 lks. dist., not marked. To further perpetuate this cor. monument, establish two witness corners, one N.45°E., and one N.45°W., both 71 lks. dist. from cor., and each consisting of an iron post, 3 ft. long, 1 in. in diam., set 28 ins. in the ground, with brass caps mkd. | | | | | | | | |
| | the NW. wit. cor., | | | | | | | | |
| | <table border="1"> <tr><td>T2N</td><td>R4E</td></tr> <tr><td>S34</td><td>S35</td></tr> <tr><td>S3</td><td>S2</td></tr> <tr><td>T1N</td><td>WC</td></tr> </table> | T2N | R4E | S34 | S35 | S3 | S2 | T1N | WC |
| T2N | R4E | | | | | | | | |
| S34 | S35 | | | | | | | | |
| S3 | S2 | | | | | | | | |
| T1N | WC | | | | | | | | |
| | 1931 | | | | | | | | |
| | the NE. wit. cor. | | | | | | | | |
| | <table border="1"> <tr><td>T2N</td><td>R4E</td></tr> <tr><td>S34</td><td>S35</td></tr> <tr><td>S3</td><td>S2</td></tr> <tr><td>WC</td><td>T1N</td></tr> </table> | T2N | R4E | S34 | S35 | S3 | S2 | WC | T1N |
| T2N | R4E | | | | | | | | |
| S34 | S35 | | | | | | | | |
| S3 | S2 | | | | | | | | |
| WC | T1N | | | | | | | | |
| | 1931 | | | | | | | | |

Land, nearly level.
Soil, gravelly, 3rd rate, W. of canal; sandy loam, 1st rate, E. of canal.
Timber, planted shade trees, cottonwood, along fences on both sides of line.
Undergrowth, none.

Resurvey of Part of the Subdivision Lines of T. 1 N., R. 4 E.

Chains

The subdivision lines of T. 1 N., R. 4 E. were surveyed by W. F. Ingalls, U.S.D.S. in 1868.

The latitudinal sixteenth lines of secs. 1 and 12 of this tp. were surveyed in 1910 by R. A. Farmer, U.S.S. in connection with resurvey and survey of the Salt River Indian Reservation.

The subdivision lines bounding secs. 1 and 12 were resurveyed by R. A. Farmer, U.S.S. in 1910.

No other resurvey or retracement of any part of the subdivision lines of this Tp. is of record in the U.S. Public Survey Office at Phoenix, Arizona.

The following notes describe a dependent resurvey of the subdivision line bet. secs. 4 and 9, and the subdivision lines bounding secs. 3 and 10.

Retracement for Resurvey.

From the cor. of secs. 13, 18, 19 and 24, on E. bdy. of Tp., North, on random line, along range line, searching at record intervals for cor. monuments thereon.

Find no cor. until at

121.35 Fall 64 lks. W. of the $\frac{1}{4}$ sec. cor. of secs. 7 and 12, reestablished in 1910 by R. A. Farmer, U.S.S.,

Thence
S. 0° 18' W., on true line, bet. secs. 7 and 12 (S. $\frac{1}{2}$)

40.45 (Proportional dist.) Set temp. cor. of secs. 7, 12, 13 & 18.

Thence
West, on random line, along latitudinal subdivision line, searching at record intervals for cor. monuments.
Find no cor. until at

238.53 Fall 52 lks. S. of the cor. of secs. 9, 10, 15 and 16.

Thence
East, on trial line, bet. secs. 10 and 15.

79.94 (Proportional dist.) Set temp. cor. (A) of secs. 10, 11, 14 and 15.

From the $\frac{1}{4}$ sec. cor. of secs. 10 and 11,
South, on random line, along meridional subdivision line, searching at record intervals for cor. monuments.
Find no cor. until at

121.26 Fall 18 lks. E. of the cor. of secs. 14, 15, 22 and 23.

Thence
North, on trial line, bet. secs. 14 and 15.

80.84 (Proportional dist.) Set temp. cor. (B) of secs. 10, 11, 14 and 15, from which temp. cor. (A) of same secs. bears S. 30° 29' E., 1.83 chs. dist., or 158 lks. S. and 93 lks. E.

The proportional point for reestablishment of the cor. of secs. 10, 11, 14 and 15 is therefore 158 lks. N. of temp. cor. (A) and 93 lks. E. of temp. cor. (B).

Resurvey of Part of the Subdivision Lines of T. 1 N., R. 4 E.

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|--------|--|
| Chains | <p>The resulting true courses and distances of the subdivision lines controlled by this reestablished point for cor. of secs. 10, 11, 14 and 15 are:</p> <p>Line bet. secs. 14 and 15, :- N. 0° 39 1/2' E., 80.84 chs. Line bet. secs. 10 and 15 :- N. 88° 52' E., 79.95 chs. S. 1/8 of line bet. secs. 10 & 11 :- N. 1° 04' W., 40.43 chs.</p> <p>Direct line to reestablished point for cor. of secs. 7, 12, 13 and 18, on E. bdy. :- S, 89° 14 1/2' E., 158.60 chs.</p> <p>-----</p> <p>From the 1/4 sec. cor. of secs. 10 and 11, North, on random line, bet. secs. 10 and 11 (N. 1/2)</p> <p>39.84 Fall 14 lks. E. of the cor. of secs. 2, 3, 10 and 11. True course and dist. :- N. 0° 12' W., 39.84 chs.</p> <p>-----</p> <p>From cor. of secs. 2, 3, 10 and 11, N. 0° 25' W., on random line, bet. secs. 2 and 3.</p> <p>40.00 Find no trace of original 1/4 sec. cor. Set temp. cor.</p> <p>79.96 Fall 177 lks. W. of the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp. True course and dist. :- S. 0° 51' W., 79.97 chs.</p> <p>-----</p> <p>From the cor. of secs. 9, 10, 15 and 16, North, on random line, bet. secs. 9 and 10 (S. 1/2)</p> <p>20.09 Fall 42 lks. E. of the S. 1/6 sec. cor. established by the U.S. Reclamation Service.</p> <p>40.17 Fall 84 lks. E. of the 1/4 sec. cor. of secs. 9 and 10. True course and dist. :- N. 1° 12' W., 40.18 chs.</p> <p>Thence North, on random line, bet. secs. 9 and 10 (N. 1/2)</p> <p>20.00 Set temp. N. 1/6 sec. cor.</p> <p>40.14 Fall 87 lks. E. of the cor. of secs. 3, 4, 9 and 10. True course and dist. :- N. 1° 15' W., 40.15 chs.</p> <p>-----</p> <p>From the cor. of secs. 3, 4, 9 and 10, S. 89° 44' E., on random line, bet. secs. 3 and 10.</p> <p>20.17 Set temp. W. 1/6 sec. cor.</p> <p>40.34 Find no trace of the 1/4 sec. cor. Set temp. cor.</p> <p>80.85 Fall 195 lks. S. of the cor. of secs. 2, 3, 10 and 11. True course and dist. :- S. 88° 53' W., 80.86 chs.</p> <p>-----</p> <p>From the cor. of secs. 3, 4, 9 and 10, N. 0° 20' E., on random line, bet. secs. 3 and 4.</p> <p>40.00 Find no trace of the 1/4 sec. cor. Set temp. cor.</p> <p>81.22 Fall 214 lks. W. of the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp. True course and dist. :- N. 1° 51' E., 81.26 chs.</p> <p>-----</p> <p>From cor. of secs. 9, 10, 15 and 16, S. 89° 27' W., on random line, bet. secs. 9 and 16.</p> <p>39.88 Find no trace of the 1/4 sec. cor. Set temp. cor.</p> <p>79.76 Find no trace of the cor. of secs. 8, 9, 16 and 17. True course and dist. :- undetermined.</p> <p>-----</p> |
|--------|--|

Resurvey of Part of the Subdivision Lines of T. 1. N., R. 4. E.

Chains From the cor. of secs. 3, 4, 9 and 10,
S. 89° 33' W., on random line, bet. secs. 4 and 9.

40.20 Find no trace of the 1/4 sec. cor. Set temp. cor.

79.36 Fall 95 lks. S. of the cor. of secs. 4, 5, 8 and 9.
True course and dist.: S. 89° 46' E., 79.36 chs.

Resurvey.

At the point determined by double proportion as herein-
before described,
set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for reestablished cor. of secs. 10, 11, 14
and 15, with brass cap mkd.

| | |
|-----|-----|
| T1N | R4E |
| S10 | S11 |
| S15 | S14 |

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from which

- a cottonwood, 5 ins. diam., bears N. 42° E., 21 lks. dist., mkd. BT only
- a cottonwood, 7 ins. diam., bears S. 10 1/2° E., 67 lks. dist., mkd. T1N R4E S14 BT
- a tamarix, 7 ins. diam., bears S. 72 1/2° W., 76 lks. dist., mkd. T1N R4E S15 BT
- a tamarix, 8 ins. diam., bears N. 59 1/2° W., 78 lks. dist., mkd. T1N R4E S10 BT

Thence

N. 1° 04' W., on true line, bet. secs. 9 and 10 (S. 1/4)
Over level bottom land, thru dense undergrowth, and
scattering cottonwood timber.

- 8.40 Leave undergrowth, bears E. and W. Thence over sandy land, washed by Salt River. No defined left bank.
 - 14.30 Center of a side channel of Salt River, 80 lks. wide, course SW. from E.
 - 15.70 Right bank of Salt River, 20 ft. high, bears NE. and SW. Thence over level land, thru undergrowth, and parallel to a fence 50 lks. E. of line.
 - 28.40 Dim road, bears N. 80° W. and S. 80° E.
 - 38.90 House bears E. 100 lks. dist. Enter road.
 - 40.43 Intersect the 1/4 sec. cor. which is a cement post, 4 ins. square, centered with an iron pin, firmly set flush with surface of the road, and agreeing with property lines to the E.
- Reconstruct this cor. monument as follows:
alongside the cement post, set an iron post, 3 ft. long, 1 in. in diam., 48 ins. in the ground, for 1/4 sec. cor. of secs. 10 and 11, with brass cap mkd.

| | |
|-----|-----|
| S10 | S11 |
|-----|-----|

1931

and to further perpetuate the cor. establish four
witness cors. to same, each an iron post, 3 ft. long,
1 in. in diam., set 28 ins. in the ground, N. 45° E., S. 45° E.,
S. 45° W., and N. 45° W., 71 lks. dist. from cor.
The brass caps on said W.C.s mkd. as follows:

10 11

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Resurvey of Part of the Subdivision Lines of T. 1 N., R. 4 E.

Chains

| | |
|------------------|------------------|
| the NW. wit.cor. | the NE. wit.cor. |
| $\frac{1}{4}$ | $\frac{1}{4}$ |
| S10 S11 | S10 S11 |
| WC | WC |
| 1931 | 1931 |
| the SW. wit.cor. | the SE. wit.cor. |
| $\frac{1}{4}$ | $\frac{1}{4}$ |
| S10 S11 | S10 S11 |
| WC | WC |
| 1931 | 1931 |

From the $\frac{1}{4}$ sec.cor.,
 N. 0° 12' W. on true line, bet. secs. 10 and 11 (N. $\frac{1}{2}$)
 Over level open land, along road.

- 0.35 Enter lane.
- 16.80 House in lane, bears E. 20 lks. dist.
- 17.30 Barn, bears E. 120 lks. dist.
- 35.10 Dairy barn, bears E. 2 chs. dist.
- 36.80 House, bears E. 3 chs. dist.
- 39.84 Intersect the cor. of secs. 2, 3, 10 and 11, which is a cement post, 4 ins. square, centered with an iron pin, firmly set in ground, with its top 14 ins. below the surface of the road.
 Reconstruct this cor. monument as follows:
 alongside the cement post, set an iron post, 3 ft. long, 2 ins. in diam., 48 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, with brass cap mkd.

TLN R4E
 S3 | S2
 S10 | S11
 1931

and to further perpetuate this cor. establish four witness cors. to same, each an iron post, 3 ft. long, 1 in. in diam., set 28 ins. in the ground, N. 45° E., S. 45° E., S. 45° W., and N. 45° W., 71 lks. dist. from cor.
 The brass caps on said W.C.s mkd. as follows:

| | |
|------------------|------------------|
| the NW. wit.cor. | the NE. wit.cor. |
| TLN R4E | TLN R4E |
| S3 S2 | S3 S2 |
| S10 S11 | S10 S11 |
| WC | WC |
| 1931 | 1931 |
| the SW. wit.cor. | the SE. wit.cor. |
| WC | WC |
| TLN R4E | TLN R4E |
| S3 S2 | S3 S2 |
| S10 S11 | S10 S11 |
| 1931 | 1931 |

Land, level.
 Soil, sandy, and sandy loam; 2nd and 3rd rate.
 Timber, cottonwood S. of river. None elsewhere.
 Undergrowth, arrowweed and greasewood in S. 16 chs.

Resurvey of Part of the Subdivision Lines of T. 4 N., R. 4 E.

Chains from the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp., hereinbefore described, S. 0° 51' W., on true line, bet. secs. 2 and 3 Over level land, along paved highway (Scottsdale road)

39.91 (Proportional dist.) Nine inches E. of edge of pavement, set an iron post, 3 ft. long, 1 in. in diam., 44 ins. in the ground, for reestablished 1/4 sec. cor. of secs. 2 and 3, with brass cap mkd.

1/4 S3 | S2

1931

and to further perpetuate the cor. establish four witness cors. to same, each an iron post, 3 ft. long, 1 in. in diam., set 28 ins. in the ground, N. 45° E., S. 45° E., S. 45° W., and N. 45° W., 67 lks. dist. from cor. The brass caps on said W.C.s mkd. as follows:

the NW. wit. cor.

the NE. wit. cor.

1/4 S3 | S2 WC

1931

1/4 S3 | S2 WC

1931

the SW. wit. cor.

the SE. wit. cor.

1/4 S3 | S2 WC

1931

1/4 S3 | S2 WC

1931

41.76 NE. cor. of frame house, bears W. 1.90 chs. dist.

61.00 Frame house, bears W. 2.30 chs. dist.

79.55 S. end of pavement. Thence over gravel surfaced road.

79.97 Intersect the cor. of secs. 2, 3, 10 and 11, in center of road intersection, roads bearing N., S., E., and W. Cor. hereinbefore described.

Land, level. Soil, sandy loam, 1st rate. Timber, none. Undergrowth, none.

The cor. of secs. 9, 10, 15 and 16 is an iron bar, 1 in. square, top projecting 2 ins. above ground, firmly set, and covered with a mound of stone. This monument marks a point for said sec. cor. which is verified from records of local surveyors, and the adjacent land owner in sec. 9.

Reconstruct this cor. monument as follows: alongside the iron bar, set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, with brass cap mkd.

T1N R4E S9 | S10 S16 | S15

1931

the SW. cement base, 32x32x32 ins. above ground, of an electric power transmission line tower, bears N. 1 1/2° W., 191 lks. dist., mkd. X B0

Resurvey of Part of the Subdivision lines of T. 1 N., R. 4 E.

| | |
|--------|--|
| Chains | raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Thence, N. 88° 52' E., on true line, bet. secs. 10 and 15. Over rolling open land. |
| 2.40 | Paved highway (U.S. No. 80), bears NW. and SE. |
| 3.00 | Electric power transmission line, bears NW. and SE. |
| 9.00 | Drain, course SW. |
| 11.80 | Abandoned railroad grade, bears NE. and SW. |
| 19.98 | (Midpoint of W. $\frac{1}{2}$) Set temp. W. $\frac{1}{16}$ sec. cor. |
| 23.00 | Same railroad grade, bears NW. and SE. |
| 24.00 | Electric power transmission line, bears N. and S. |
| 37.70 | Drain, course SE. Dim road, bears NW. and SE. |
| 39.97 | (Midpoint) Set an iron post, 3 ft. long, .1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 10 and 15, with brass cap mkd. |
| | $\frac{1}{4} \frac{S 10}{S 15}$ 1931 |
| | raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. |
| 42.60 | Short drain, course SE. |
| 59.96 | (Midpoint of E. $\frac{1}{2}$) Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for E. $\frac{1}{16}$ sec. cor. of secs. 10 and 15, with brass cap mkd. |
| | $E \frac{1}{16} \frac{S 10}{S 15}$ 1931 |
| | raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. This cor. is the SE. cor. of the abandoned Papago Saguaro National Monument. |
| 61.00 | Dim road, bears NE. and SW. Enter river bottom, dense undergrowth, and very scattering timber. |
| 66.60 | Right bank of Salt River, 10 ft. high, bears NE. and SW. Thence across a stream of water, 200 lks. wide, course S. from NE. in a side channel of Salt River. |
| 69.75 | Left bank of side channel of Salt River, bears NE. and S. Thence over low bottom land, subject to overflow 2 to 6 ft. deep. |
| 79.95 | Intersect the reestablished cor. of secs. 10, 11, 14 and 15, hereinbefore described. |
| | Land, rolling and level. Soil, gravelly and sandy, 3rd timber, cottonwood. Undergrowth, arrowweed and mesquite. |

Resurvey of Part of the Subdivision Lines of T. 1 N., R. 4 E.

- Chains From the cor. of secs. 9, 10, 15 and 16,
N. 1° 12' W., on true line, bet. secs. 9 and 10 (S. 1/2)
Over rolling land, along an electric power transmission
line.
- 10.95 Transmission line, bears E. and W.
- 11.35 Transmission line, bears E. and W.
- 13.85 Irrigation ditch, 4 lks. wide, course SW.
- 14.75 S. end of a cement bridge, across a creek, 20 lks. wide;
course SW. This creek carries the waste waters from
the forebay of the Arizona Cross-Cut Canal.
- 15.15 Paved highway (U.S. No. 80), bears NW. and SE.
- 20.10 intersect the S. 1/16 sec. cor. of secs. 9 and 10, established
by U.S. Reclamation Service engineers, which is a
redwood post, 4 ins. square, projecting 24 ins. above
ground, firmly set, and mkd. 16/7 SEC 9 on W. face,
and PPL on the S. face.
Reconstruct this cor. monument as follows:
alongside the wood post, set an iron post, 3 ft. long,
1 in. in diam., 30 ins. in the ground, for S. 1/16 sec. cor.
of secs. 9 and 10, with brass cap mkd.
- S 1/16
S9 | S10
1931
- from which
- a palo verde, 8 ins. diam., bears N. 18 3/4° E., 120 lks.
dist., mkd. S 1/16 S10 BT
- a catclaw, 12 ins. diam., bears S. 57 1/4° W., 68 lks.
dist., mkd. S 1/16 S9 BT
- 22.68 Intersect the east boundary of the right-of-way of the
Arizona Cross-Cut Canal (200 ft. wide), bearing NE.
and SW.
At this point of intersection,
set an iron post, 3 ft. long, 2 ins. in diam., 30 ins.
in the ground, for closing cor. of secs. 9 and 10, with
brass cap mkd.
- SRVWUA
S9 | S10
TLN | R4E
C C
1931
- from which
- Angle point No. 8 of said right-of-way, hereinafter
described, bears N. 54° 21' E., 76 lks. dist.
raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.
- Thence across Canal right-of-way.
- 24.70 midpoint between penstocks from forebay to power house.
- 27.02 intersect the west boundary of the right-of-way of the
Arizona Cross-Cut Canal, bearing NE. and SW.
At this point of intersection,
set an iron post, 3 ft. long, 2 ins. in diam., 14 ins.
in the ground to bedrock, deposit a stone marked with
a cross (X) at base of post, and raise a mound of stone
around post, for closing cor. of secs. 9 and 10, with
brass cap mkd.

Resurvey of Part of the Subdivision Lines of T. 1 N., R. 4 E.

Chains



1931

from which

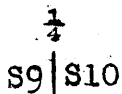
Angle point No.11 of said right-of-way, hereinafter described, bears S.39°32'W., 2.16 chs. dist.

27.35 Ravine, course SW.

30.14 (Midpoint of N. $\frac{1}{2}$ of S. $\frac{1}{2}$) Set temp. N. $\frac{1}{64}$ sec.cor. of the SW. $\frac{1}{4}$ of sec.10, and SE. $\frac{1}{4}$ of sec.9.

39.00 Short drain, course SW.

40.18 Intersect the $\frac{1}{4}$ sec.cor., which is an iron bar, 1 in. square, projecting 12 ins.above ground, firmly set, and surrounded by a small mound of stone. This cor. monument is verified from records of local surveyors. Reconstruct as follows: alongside the iron bar, set an iron post, 3 ft.long, 1 in.in diam., 28 ins.in the ground, for $\frac{1}{4}$ sec.cor. of secs.9 and 10, with brass cap mkd.



1931

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

Thence N.1°15'W., on true line, bet. secs.9 and 10 (N. $\frac{1}{2}$) Over rolling land, thru scattering undergrowth.

3.00 Surfaced road, bears NE. and SW.

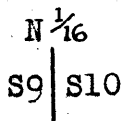
4.50 Drain, course SW.

10.04 (Midpoint of S. $\frac{1}{2}$ of N. $\frac{1}{2}$) Set temp. S. $\frac{1}{64}$ sec.cor. of the NW. $\frac{1}{4}$ of sec.10, and NE. $\frac{1}{4}$ of sec.9.

12.70 Rocky reef, bears E. and W.

15.85 Road, bears E. and W.

20.08 (Midpoint of N. $\frac{1}{2}$) Set an iron post, 3 ft.long, 1 in.in diam., 4 ins.in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for N. $\frac{1}{16}$ sec.cor. of secs. 9 and 10, with brass cap mkd.



1931

23.20 Dim road, bears NW. and SE.

27.60 Drain, course SW.

40.15 Intersect the cor. of secs.3,4,9 and 10, which is an iron pipe, 1 in.in diam., 18 ins. long, loosely set in a mound of stone. This cor. monument has been used and accepted by local surveyors as being a restoration of

Resurvey of Part of the Subdivision Lines of T. 1 N., R. 4 E.

Chains

original sec.cor.
Reconstruct this cor. monument as follows:
remove the mound of stone, and in center of its.
position, reset old iron pipe 12 ins.in the ground,
and alongside same, set an iron post, 3 ft.long, 2 ins.
in diam., 26 ins. in the ground, for cor. of secs.
3,4,9 and 10, with brass cap mkd.

| | |
|-----|-----|
| T1N | R4E |
| S4 | S3 |
| S9 | S10 |

1931

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

Land, rolling.
Soil, gravelly and rocky, 3rd rate.
Timber, paloverde and catclaw.
Undergrowth, greasewood and cacti.

From the cor. of secs.2,3,10 and 11,hereinbefore describ-
ed.
S.88°53'W., on true line, bet. secs.3 and 10.
Over level open land, along a gravel surfaced road.

19.80 House, bears S. 1.40 chs. dist.

25.00 Leave road, which contiues W. along N. of line.

40.43 (Midpoint) Set an iron post, 3 ft.long, 1 in.in diam.,
32 ins.in the ground, for reestablished $\frac{1}{4}$ sec.cor. of
secs. 3 and 10, with brass cap mkd.

| | |
|---------------|-------|
| $\frac{1}{4}$ | S 3 |
| | ----- |
| | S 10 |

1931

and to further perpetuate this cor. establish two
witness cors. to same, each an iron post, 3 ft. long,
1 in.in diam.,set 28 ins.in the ground, S.45°E. and
S.45°W., 71 lks. dist.
The brass caps on said W.C.s mkd. as follows:

The SW. wit.cor.

the SE. wit.cor.

| | |
|---------------|-------|
| | WC |
| | S 3 |
| $\frac{1}{4}$ | ----- |
| | S 10 |

1931

| | |
|---------------|-------|
| | WC |
| | S 3 |
| $\frac{1}{4}$ | ----- |
| | S 10 |

1931

The road and a ditch alongside the road, prevent the
establishment of witness cors. N. of line.

50.20 Same road, bears NE. and SW.

60.65 (Midpoint of W. $\frac{1}{16}$) Set an iron post, 3 ft.long, 1 in.in
diam., 6 ins.in the ground to bedrock, deposit a stone
marked with a cross (X) at base of post, and raise a
mound of stone around post, for W. $\frac{1}{16}$ sec.cor. of secs.
3 and 10, with brass cap mkd.

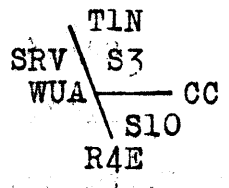
| | |
|------------------|-------|
| W $\frac{1}{16}$ | S 3 |
| | ----- |
| | S 10 |

1931

Resurvey of Part of the Subdivision Lines of T. 1 N., R. 4 E.

Chains

61.71 Intersect the east boundary of the right-of-way of the Arizona Cross-Cut Canal, bearing NW. and SE. At this point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for closing cor. of secs. 3 and 10, with brass cap mkd.



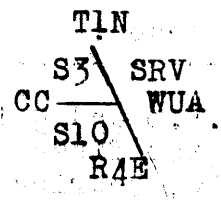
1931

from which Angle point No. 1 of said right-of-way bears S. 22 1/4° E., 6.25 chs. dist., hereinafter described. raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

62.60 Road, bears NW. and SE. along W. bank of canal.

63.34 Center of Arizona Cross-Cut Canal, bears N. 30° W., and S. 22 1/4° E., course S. 22 1/4° E.

65.07 Intersect the west boundary of the right-of-way of the Arizona Cross-Cut Canal, bearing NW. and SE. At this point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 3 and 10, with brass cap mkd.



1931

from which Angle point No. 19 brs. S. 30° 04' E., 74 lks. dist. raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

69.40 Base of barren rock. Ascend 75 ft.

72.90 Top of rock, on ridge, bearing NW. and S. 30° E. Descend 60 ft. to

80.86 Intersect the cor. of secs. 3, 4, 9 and 10.

Land, E. of canal, level; remainder, rough and broken. Soil, E. of canal, sandy loam, 1st rate; remainder, rocky, 4th rate. Timber, none. Undergrowth, none.

From the cor. of secs. 3, 4, 9 and 10, N. 1° 51' E., on true line, bet. secs. 3 and 4. Over rough and broken land. Ascend 30 ft.

5.65 Ridge, bears NW. and SE. Descend 36 ft. to

19.20 Head of drain, course W.

20.30 Dim road, bears NE. and SW.

24.50 Low spur, slopes E.

25.50 "Hole-in-the-Rock" bears W. about 7.00 chs. dist.

35.90 Ascend 18 ft. over SE. slope to

Resurvey of Part of the Subdivision Lines of T. 1 N., R. 4 E.

Chains
40.14 (Proportional dist.), Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for reestablished $\frac{1}{4}$ sec. cor. of secs. 3 and 4, with brass cap mkd.

$\frac{1}{4}$
 S4 | S3
 1931

Ascend 23 ft. over SE. slope.

43.00 Spur, slopes E. Descend 40 ft. to

53.30 Dim road, bears E. and W. at foot of descent.
Leave broken and enter level land and undergrowth.

60.80 Drain, course E.

61.80 Dim road, bears NW. and SE.

81.17 Electric power transmission line, bears E. and W.

81.26 Intersect the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp. hereinbefore described.

Land, broken and level.
Soil, gravelly and rocky, 2nd and 3rd rate.
Timber, none.
Undergrowth, greasewood.

The cor. of secs. 4, 5, 8 and 9 is an iron pipe, 1 $\frac{1}{4}$ ins. in diam., with its top flush with surface of pavement in U.S. Highway No. 80, bearing E. and W. This cor. location agrees with lot stakes of a subdivision to the S., and with local engineer's records.

To further perpetuate this cor. establish two witness cors. to same, each an iron post, 3 ft. long, 1 in. in diam., set 28 ins. in the ground, N. 45° E. and N. 45° W. 71 lks. dist. from cor.

The brass caps of these wit. cors. are mkd.

the NW. wit. cor.
the NE. wit. cor.

| | |
|---------|---------|
| T1N R4E | T1N R4E |
| S5 S4 | S5 S4 |
| S8 S9 | S8 S9 |
| WC | WC |

1931
1931

From cor. of secs. 4, 5, 8 and 9, S. 89° 46' E., on true line, bet. secs. 4 and 9. Over rolling land, along paved highway, U.S. No. 80.

8.60 Drain, course S.

23.20 Leave U.S. Highway No. 80, bears SE. and W.
Enter scattering undergrowth.

29.00 Drain, course SW.

34.90 Drain, course SE.

37.30 Drain, course S.

39.68 (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 4 and 9, with brass cap mkd.

Resurvey of Part of the Subdivision Lines of T. 1 N., R. 4 E.

- Chains
- | |
|-------------------|
| S 4 |
| $\frac{1}{4}$ ——— |
| S 9 |
- 1931
- raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
 - 40.80 Drain, course S.
 - 43.20 Road, to "Hole-in-the-Rock", bears NE. and SW.
 - 48.80 Wash, 10 lks. wide, course SW. from E., joined at this point by another wash from the N. Thence in wash.
 - 54.10 Leave wash, course W. from NE.
 - 62.00 Electric power transmission line, bears N. and S.
 - 62.40 Road, bears N. and S.
 - 66.60 Drain, course SW.
 - 68.40 Same drain, course NW.
 - 79.00 Same drain, course SW.
 - 79.36 Intersect the cor. of secs. 3, 4, 9 and 10, hereinbefore described.

Land, rolling.
 Soil, gravelly, 3rd rate.
 Timber, none.
 Undergrowth, greasewood and cacti.

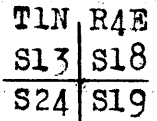
 Reconstruction of remote control corners, T. 1 N., R. 4 E.

The following notes describe the reconstruction of those corners which formed control points for the reestablishment by double proportion, of the missing cor. of secs. 10, 11, 14 and 15, as hereinbefore described.

 Cor. of secs. 13, 18, 19 and 24, on E. bdy.

The cor. of secs. 13, 18, 19 and 24, Ts. 1 N., Rs. 4 & 5 E. is an iron bar, set with its top 6 ins. below the surface of the ground, in center of road intersection, roads extending E., W. and S. At 50 lks. N. single track of Arizona Eastern Railroad (Hayden Division) crosses the range line, bearing E. and W.

Reconstruct this cor. monument as follows:
 alongside the iron bar, set an iron post, 3 ft. long, 2 ins. in diam., 40 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, with brass cap mkd.



1931

and establish two witness cors. to said cor., each an iron post, 3 ft. long, 1 in. in diam., set 28 ins. in the ground, S. 45° E. and S. 45° W., 73 lks. dist. from cor. The brass caps on said wit. cors. mkd.

Reconstruction of remote control corners, T. 1 N., R. 4 E.

the SW. wit.cor.

the SE. wit.cor.

| | |
|-----|-----|
| WC | |
| TLN | |
| R4E | R5E |
| S13 | S18 |
| S24 | S19 |

| | |
|-----|-----|
| WC | |
| TLN | |
| R4E | R5E |
| S13 | S18 |
| S24 | S19 |

1931

1931

Quarter Sec. Cor. - Secs. 7 & 12, T. 1 N., R. 4 & 5 E.

The $\frac{1}{4}$ sec.cor. of secs. 7 and 12, on E. bdy. of T. 1 N., R. 4 E., reestablished in 1910 by R.A. Farmer, U.S.S., is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, and witnessed by pits N. and S. and a mound of earth W. The brass cap has been taken off the post, and cannot be found.

Reconstruct this cor. monument as follows: alongside the old iron post, set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 7 and 12, with brass cap mkd.

| | |
|---------------|----|
| $\frac{1}{4}$ | |
| S12 | S7 |

1931

Corner of secs. 14, 15, 22 and 23, T. 1 N., R. 4 E.

The cor. of secs. 14, 15, 22 and 23 is a granite stone, 6x3x3 ins. above ground, firmly set, unmarked. The position and description of this cor. monument is verified from records of the U.S. Reclamation Service and by testimony of adjacent land owners.

Reconstruct this cor. monument as follows: alongside the stone, set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap mkd.

| | |
|-----|-----|
| TLN | R4E |
| S15 | S14 |
| S22 | S23 |

1931

- from which
- an ash shade tree, 11 ins. diam., bears S. 9 $\frac{1}{2}$ ° E., 28 lks. dist., not marked.
- an umbrella shade tree, 6 ins. diam., bears S. 75 $\frac{1}{2}$ ° E., 4 $\frac{1}{2}$ lks. dist., not marked.
- the SW. cor. of an adobe house, bears N. 46 $\frac{1}{2}$ ° E., 48 lks. dist.

Survey of Part of the Boundary of R.-of-W., Ariz. Cross-Cut Canal

Chains The following notes describe the survey of: the west line or boundary of the right-of-way of the Arizona Cross-Cut Canal thru $W\frac{1}{2}W\frac{1}{2}$ of sec.3, T.1 N., R.4 E., thru the $W\frac{1}{2}NW\frac{1}{4}$ and $NW\frac{1}{4}SW\frac{1}{4}$ of sec.10, and thru the $NE\frac{1}{4}SE\frac{1}{4}$ of sec.9; and the east line or boundary of said right-of-way thru the $NW\frac{1}{4}$ and $NW\frac{1}{4}SW\frac{1}{4}$ of sec.10, and thru $NE\frac{1}{4}SE\frac{1}{4}$ of sec.9, T.1 N., R.4 E.

East line thru Sec.10.

From the closing cor. of secs.3 and 10, set at point of intersection of the subdivision line bet. said secs. with the east line of the right-of-way of the Arizona Cross-Cut Canal, as hereinbefore described, S.22°30'E., along E. line of R.-O.-W. Over rolling land.

6.25 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for angle point No.1 of the bdy. of the R.-O.-W., with brass cap mkd.

SRV / TLN
AP 1 / R4E
WUA / S10

1931

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

Thence
S.28°31'W., along E. line of R.-O.-W.
Over rolling land.

6.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for angle point No.2 of the bdy. of the R.-O.-W., with brass cap mkd.

SRV / TLN
AP 2 / R4E
WUA / S10

1931

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

Thence
S.23°30'W., along E. line of R.-O.-W.
Over rolling land.

8.90 Scottsdale road, bears NE. and SW. Head of draw, course SW.

13.81 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for angle point No.3 of the bdy. of the R.-O.-W., with brass cap mkd.

SRV / TLN
AP 3 / R4E
WUA / S10

1931

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

Thence
S.23°03'E., along E. line of R.-O.-W.
Over broken land.

4.61 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for angle point No.4 of the bdy. of the R.-O.-W., with brass cap mkd.

Survey of Part of the Boundary of the R.-O.-W. of Ariz. Cross-Cut Canal.

Chains

SRV / TLN
 AP 4 / R4E
 WUA / S10

1931

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

Thence

S.53°42'E., along E. line of R.-O.-W.
 Over broken land.

- 3.46 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for angle point No. 5 of the bdy. of the R.-O.-W., with brass cap mkd.

SRV / TLN
 AP 5 / R4E
 WUA / S10

1931

Thence

S.14°41'E., along E. line of R.-O.-W.
 Over broken land.

- 3.87 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for angle point No. 6 of the bdy. of the R.-O.-W., with brass cap mkd.

SRV / TLN
 AP 6 / R4E
 WUA / S10

1931

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

Thence

S.16°40'W., along E. line of R.-O.-W.
 Over rolling land, thru young growth of cottonwood, and parallel to forebay.

- 5.49 True point for angle point No. 7 of the bdy. of the R.-O.-W. falls on cement apron or floor over which water is discharged from the forebay. It is impracticable to monument the angle point here therefore establish witness cor. at point on R.-O.-W. 50 lks. S.39°32'W. herefrom.

From true point for angle point No. 7,
 S.39°32'W., along E. line of R.-O.-W.

- 0.50 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for witness cor. to angle point No. 7 of the bdy. of the R.-O.-W., with brass cap mkd.

W C
 SRV / TLN
 AP 7 / R4E
 WUA / S10

1931

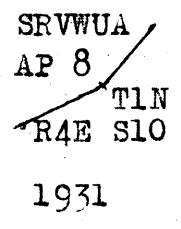
raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

- 1.10 Small house on line, belonging to the Salt River Valley Water User's Association.

Survey of Part of the Boundary of the R.-O.-W., Ariz. Cross-Cut Canal

Chains Thence over rolling land, parallel to penstocks.

24.04 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for angle point No. 8 of the bdy. of the R.-O.-W., with brass cap mkd.



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

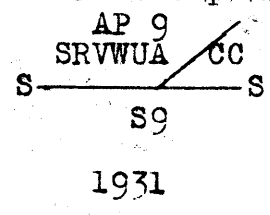
Thence S. 54° 21' W., along E. line of R.-O.-W. Over rolling land.

0.76 Intersect the S. 1/4 of subdivision line bet. secs. 9 and 10 at a point 2.58 chs. N. 1° 12' W. from the S. 1/4 sec. of said secs. hereinbefore described. Closing cor. of said secs. established at this point of intersection as hereinbefore described.

East line thru NE 1/4 SE 1/4 of Sec. 9

From closing cor. of secs. 9 and 10, S. 54° 21' W., along E. line of R.-O.-W. Over rolling land.

4.44 (5.20 chs. S. 54° 21' W. from A.P. No. 8) Intersect latitudinal sixteenth sec. line of SE 1/4 of sec. 9. At this point of intersection, set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for angle point No. 9 of the bdy. of the R.-O.-W., and also for closing subdivision-of-section cor. of sec. 9, with brass cap mkd.

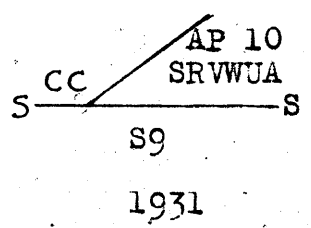


raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Survey of the E. line of the bdy. of the right-of-way of the Ariz. Cross-Cut Canal terminates at this cor.

West line thru NE 1/4 SE 1/4 of Sec. 9.

At point where the latitudinal sixteenth sec. line of the SE 1/4 of sec. 9 intersects the west line of the right-of-way of the Ariz. Cross-Cut Canal, (5.21 chs. S. 89° 55' W. from CC. and A.P. No. 9), set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for angle point No. 10 of the bdy. of the R.-O.-W., and also for closing subdivision-of-section cor. of sec. 9, with brass cap mkd.



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

Survey of Part of the Boundary of the R.-O.-W. of Ariz. Cross-Cut Canal

- Chains Thence
N.54°21'E., along W. line of R.-O.-W.
Over rolling land, parallel to penstocks.
- 2.10 U.S. Highway No.80, bears NW. and SE.
- 9.04 Set an iron post, 3 ft.long, 1 in.in diam., 26 ins. in the ground, for angle point No.11 of the bdy. of the R.-O.-W., with brass cap mkd.
- TLN RAE
S 9
AP 11
SRVWUA
1931
- raise a mound of stone, 3 ft.base, 2 ft.high, E. of cor.
- Thence
N.39°32'E., along W. line of R.-O.-W.
Over rolling land, parallel to penstocks.
- 2.16 Intersect the S. $\frac{1}{2}$ of subdivision line bet. secs.9 and 10 at a point 6.92 chs. N.1°12'W. from the S. $\frac{1}{4}$ sec.cor. of said secs. hereinbefore described. Closing cor. of said secs. established at this point of intersection as hereinbefore described.
- West line thru Sec.10.

- From the closing cor.. of secs.9 and 10,
N.39°32'E., along W. line of R.-O.-W.
Over rolling land, parallel to penstocks.
- 20.87 (23.03 chs.N.39°32'E. from A.P. No.11) Set an iron post, 3 ft.long, 1 in.in diam., 26 ins.in the ground, for angle point No.12 of the bdy. of the R.-O.-W., with brass cap mkd.
- TLN / SRV
RAE / AP 12
S10 / WUA
1931
- raise a mound of stone, 3 ft.base, 2 ft.high, E. of cor.
- Thence
N.16°40'E., along W. line of R.-O.-W.
Over rolling land, parallel to forebay.
- 4.03 Set an iron post, 3 ft.long, 1 in.in diam., 26 ins. in the ground, for angle point No.13 of the bdy. of the R.-O.-W., with brass cap mkd.
- TLN / SRV
RAE / AP 13
S10 / WUA
1931
- raise a mound of stone, 3 ft.base, 2 ft.high, E. of cor.
- Thence
N.14°41'W., along W. line of R.-O.-W.
Over rolling land, parallel to canal.
- 1.94 Set an iron post, 3 ft.long, 1 in.in diam., 22 ins. in the ground, for angle point No.14 of the bdy. of the R.-O.-W., with brass cap mkd.

Survey of Part of the Boundary of the R.-O.-W. of Ariz. Cross-Cut Canal.

Chains

TLN / SRV
RAE / AP 14
S10 / WUA
1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence
N. 53° 42' W., along the W. line of R.-O.-W.
Over rolling land.

3.22 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for angle point No. 15, of the bdy. of the R.-O.-W., with brass cap mkd.

TLN / SRV
RAE / AP 15
S10 / WUA
1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence
N. 23° 03' W., along the W. line of R.-O.-W.
Over rolling land.

6.75 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for angle point No. 16 of the bdy. of the R.-O.-W., with brass cap mkd.

TLN / SRV
RAE / AP 16
S10 / WUA
1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence
N. 23° 30' E., along the W. line of R.-O.-W.
Over rolling land, parallel to an aqueduct.

3.70 Drain, course SW.

4.50 Scottsdale road, bears NE. and SW.

15.25 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for angle point No. 17 of the bdy. of the R.-O.-W., with brass cap mkd.

TLN / SRV
RAE / AP 17
S10 / WUA
1931

raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, E. of cor. This A.P. is at base of cliffs about 75 ft. high.

Thence
N. 28° 31' E., along the W. line of R.-O.-W.
Over rolling land.

4.69 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for angle point No. 18 of the bdy. of the R.-O.-W., with brass cap mkd.

Survey of Part of the Boundary of the R.-O.-W. of Ariz. Cross-Cut Canal

Chains

T1N / SRV
R4E / AP 18
S10 / WUA

1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence

N. 22° 30' W., along the W. line of R.-O.-W.

Over rolling land.

- 5.30 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for angle point No. 19 of the bdy. of the R.-O.-W., with brass cap mkd.

T1N / SRV
R4E / AP 19
S10 / WUA

1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence

N. 30° 04' W., along the W. line of R.-O.-W.

Over rolling land.

- 0.74 Intersect the W. $\frac{1}{2}$ of the subdivision line bet. secs. 3 and 10 at a point 4.42 chs. S, 88° 53' W. from the west sixteenth sec. cor. of said secs. hereinbefore described. Closing cor. of said secs. established at this point of intersection as hereinbefore described.

West line thru Sec. 3.

From the closing cor. of secs. 3 and 10,
N. 30° 04' W., along the W. line. of R.-O.-W.
Over rolling land.

- 3.52 (4.26 chs. N. 30° 04' W. from A.P. No. 19) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for angle point No. 20 of the bdy. of the R.-O.-W., with brass cap mkd.

T1N / SRV
R4E / AP 20
S3 / WUA

1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence

N. 49° 07' W., along the W. line. of R.-O.-W.

Over rolling land.

- 5.77 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground, for angle point No. 21 of the bdy. of the R.-O.-W., with brass cap mkd.

T1N / SRV
R4E / AP 21
S3 / WUA

1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence

N. 23° 20' W., along the W. line of R.-O.-W.

Survey of Part of the Boundary of the R.-O.-W. of Ariz. Cross-Cut Canal

Chains Over rolling land, thru scattering undergrowth.

.15.94 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for angle point No. 22 of the bdy. of the R.-O.-W., with brass cap mkd.

T1N / SRV
R4E / AP 22
S3 / WUA
1931

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

Thence
N. 14° 21' E., along the W. line of the R.-O.-W.
Over rolling land, thru scattering undergrowth.

5.58 Set an iron post, 3 ft. long, 1 in. in diam., 32 ins. in the ground, for angle point No. 23 of the bdy. of the R.-O.-W., with brass cap mkd.

T1N / SRV
R4E / AP 23
S3 / WUA
1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
This A.P. is at W. edge of local road.

Thence
N. 47° 41' E., along the W. line. of the R.-O.-W.
Over rolling land, thru scattering undergrowth.

4.95 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground, for angle point No. 24 of the bdy. of the R.-O.-W., with brass cap mkd.

T1N / SRV
R4E / AP 24
S3 / WUA
1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence
N. 28° 34' E., along the W. line. of the R.-O.-W.
Over rolling land, thru scattering undergrowth.

1.33 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, and raise a mound of stone around post, for angle point No. 25 of the bdy. of the R.-O.-W., with brass cap mkd.

T1N / SRV
R4E / AP 25
S3 / WUA
1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence
N. 0° 43' W., along the W. line of the R.-O.-W.
Over rolling land, thru scattering undergrowth.

11.53 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for angle point No. 26 of the bdy. of the R.-O.-W., with brass cap mkd.

T1N / SRV
R4E / AP 26
S3 / WUA
1931

Survey of Part of the Boundary of the R.-O.-W. of Ariz. Cross-Cut Canal

Chains raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence N. 7° 16' E., along the W. line of R.-O.-W. Over rolling land, thru scattering undergrowth.

14.96 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for angle point No. 27 of the bdy. of the R.-O.-W., with brass cap mkd.

T1N / SRV
R4E / AP 27
S3 / WUA

1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence N. 27° 43' E., along the W. line of R.-O.-W. Over rolling land, thru scattering undergrowth.

11.77 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for angle point No. 28 of the bdy. of the R.-O.-W., with brass cap mkd.

T1N / SRV
R4E / AP 28
S3 / WUA

1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence N. 40° 31' E., along the W. line of R.-O.-W. Over nearly level land, thru scattering undergrowth.

7.15 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for angle point No. 29 of the bdy. of the R.-O.-W., with brass cap mkd.

T1N / SRV
R4E / AP 29
S3 / WUA

1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Thence N. 15° 44' E., along the W. line of R.-O.-W. Over nearly level land, thru scattering undergrowth.

5.47 Intersect the meridional sixteenth sec. line of the NW 1/4 of sec. 3 at a point 1.79 chs. S. 1° 38' W. from the W 1/4 sec. cor. of secs. 23 and 34 on the N. bdy. of the Tp., hereinbefore described. Establish closing subdivision of -section cor. and angle point No. 30 of the bdy. of the canal R.-O.-W. at this point as hereinafter described.

Survey of the W. line of the bdy. of the right-of-way of the Arizona Cross-Cut Canal terminates at this C.C.

1891

Survey: Subdivision-of-Section Lines: Sections 3, 9, and 10.

Chains

The following notes describe a survey of subdivision-of-section lines in sections 3, 9, and 10, of T.1 N., R.4 E.

In section 3; the quarter section lines, and the meridional sixteenth section lines of the NW. and SW. quarters.

In section 9; the latitudinal quarter section line, the N. $\frac{3}{4}$ of the meridional quarter section line, and the latitudinal sixteenth section line of the SE. quarter.

In section 10; the quarter section lines, the sixteenth section lines of the NW. quarter, the latitudinal sixteenth section line and N. $\frac{3}{4}$ of meridional sixteenth section line of the SW. quarter, the S. $\frac{1}{4}$ of the meridional sixty-fourth section line of the SW $\frac{1}{4}$ NW $\frac{1}{4}$, the N. $\frac{1}{4}$ of the meridional sixty-fourth section line of the NW $\frac{1}{4}$ SW $\frac{1}{4}$, and the latitudinal $\frac{1}{256}$ section lines of the SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, and NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$.

Section 3.

From the reestablished $\frac{1}{4}$ sec.cor. of secs.3 and 10, hereinbefore described, N.1°21'E., on true line, on the meridional $\frac{1}{4}$ sec.line of sec.3.
Over nearly level land.

- 0.50 Road, bears E. and W.
- 0.90 Wire fence, bears E. and W. Thence along and near a fence bearing N. and S. Over cultivated land.
- 40.08 Intersect the latitudinal $\frac{1}{4}$ sec.line. Establish the center $\frac{1}{4}$ sec.cor. of sec.3 at this point, as hereinafter described.
- 79.80 Fence, bears E. and W., also electric power transmission line, same bearing.
- 80.03 Intersect the $\frac{1}{4}$ sec.cor. of secs.3 and 34, on the N. bdy. of the Tp., reconstructed as hereinbefore described.

From the reestablished $\frac{1}{4}$ sec.cor. of secs.2 and 3, hereinbefore described, S.88°57'W., on true line, on the latitudinal $\frac{1}{4}$ sec.line of sec.3:
Over level land.

- 0.15 Center of paved road, bears N. and S. (Scottsdale road.)
- 0.40 Enter lane, cultivated land on both sides.
- 23.00 House, bears N. 2 chs. dist.
- 39.50 House, bears S. 3 chs. dist.
- 40.10 Intersect the meridional $\frac{1}{4}$ sec.line. Set an iron post, 3 ft.long, 1 in.in diam., 42 ins.in the ground, for center $\frac{1}{4}$ sec.cor. of sec.3, with brass cap mkd.

$0\frac{1}{4}$ S3
1931

and to further perpetuate the cor. establish two witness cors. on the meridional $\frac{1}{4}$ sec.line, one each N.1°21'E. and S.1°21'W., 50 lks.dist., both being iron posts, 3 ft.long, 1 in.in diam., set 28 ins. in the ground, and with brass caps mkd.

(W.C. N.1°21'E.) (W.C.S.1°21'W.)

Survey: Subdivision of Section Lines: Sections 3, 9, and 10

| Chains | 1931 | 1931 |
|--------|--|----------------------------|
| | $C \frac{1}{2} S 3$ W C | W C $C \frac{1}{2} S 3$ |
| 58.00 | House, bears S. 2.40 chs. dist. | |
| 60.13 | Midpoint of W. $\frac{1}{2}$. Set an iron post, 3 ft. long, 1 in. in diam., 36 ins. in the ground, for the W. $\frac{1}{16}$ sec. cor. of the N. and S. halves of sec. 3, with brass cap mkd. | |
| | $W \frac{1}{16}$ C S 3 1931 | |
| | and to further perpetuate the cor. establish a witness cor. on the meridional $\frac{1}{16}$ sec. line of the NW $\frac{1}{4}$ of sec. 3, at a point 50 lks. N. $1^{\circ}38'E$ from cor. Said witness cor. being an iron post, 3 ft. long, 1 in. in diam., set 26 ins. in the ground; with brass cap mkd. | |
| | $W \frac{1}{16}$ C S 3 W C | |
| | It is impracticable to establish witness cor. to the S. on account of irrigation ditch, course E. | |
| 62.00 | Leave lane. Continue along road. | |
| 70.40 | Road on E. bank of Arizona Cross-Cut Canal, bears N. $0^{\circ}43'W$. and S. $0^{\circ}43'E$. | |
| 71.03 | Center of Arizona Cross-Cut Canal, course S. $0^{\circ}43'E$. | |
| 72.55 | Intersect the W. line of the bdy. of right-of-way of the Arizona Cross-Cut Canal, bearing N. $0^{\circ}43'W$. and S. $0^{\circ}43'E$. at a point 2.93 chs. S. $0^{\circ}43'E$. from angle point No. 26 thereof, hereinbefore described. | |
| 76.50 | Dim road, bears NE. and SW. | |
| 80.15 | Intersect the reestablished $\frac{1}{4}$ sec. cor. of secs. 3 and 4 hereinbefore described. | |
| | ----- | |
| | From the W. $\frac{1}{16}$ sec. cor. of secs. 3 and 10, hereinbefore described, N. $1^{\circ}37'E$. on true line, on the meridional $\frac{1}{16}$ sec. line of the SW $\frac{1}{4}$ of sec. 3. Over rolling land. | |
| 13.90 | Powder house, bears W. 2 chs. dist. | |
| 39.60 | Irrigation ditch, course E. | |
| 40.11 | Intersect the W. $\frac{1}{16}$ sec. cor. of the N. and S. halves of sec. 3, hereinbefore described. | |
| | ----- | |
| | From the W. $\frac{1}{16}$ sec. cor. of the N. and S. halves of sec. 3, hereinbefore described, N. $1^{\circ}38'E$. on true line, on the meridional $\frac{1}{16}$ sec. line of the NW $\frac{1}{4}$ of sec. 3. Over nearly-level land. | |
| 0.50 | Witness cor. to W. $\frac{1}{16}$ sec. cor. of N. and S. halves of sec. 3, hereinbefore described. | |

Survey: Subdivision-of-Section lines: Sections 3, 9, and 10

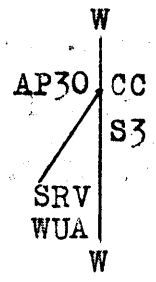
Chains Thence along W. edge of cultivated land.

20.50 Irrigation ditch, 8 lks.wide, course SW.
Leave cultivated land.

31.40 Road, bears NE. and SW. on the E. bank of the Arizona
Cross-Cut Canal.

32.64 Center of the Arizona Cross-Cut Canal, course S.40 $\frac{1}{2}$ °W.
from N.15 $\frac{3}{4}$ °E.

38.71 Intersect the W. line of the bdy. of the right-of-way
of the Arizona Cross-Cut Canal, bearing N.15°44'E.
and S.15°44'W.
At this point of intersection,
set an iron post, 3 ft.long, 1 in.in diam., 26 ins. in
the ground, for closing subdivision-of-section cor.,
and for angle point No.30 of the bdy. of the right-of-
way of the Arizona Cross-Cut Canal, with brass cap
mkd.



1931

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

40.50 Intersect the W. sec.cor. of secs.3 and 34, on the
N. bdy. of the Tp., hereinbefore described.

Section 9.

Before proceeding with the survey of subdivision-of-
section lines of section 9 consult several old settlers
in the vicinity in regard to the original corners of
said section. One old settler, Mr. E.M.White, stated
that he formerly owned all of the S $\frac{3}{4}$ S $\frac{3}{4}$ of the sec.,
and that a few years ago floods from the Salt River
had destroyed all evidence of the S. $\frac{1}{4}$ sec.cor. and
the SW. cor. of the section. Mr.White also stated
that in 1910 or 1911 the U.S.Reclamation Service pur-
chased from him a certain tract in the NE. part of the
SE $\frac{1}{4}$ SE $\frac{1}{4}$ of said section, at which time the U.S.R.S.
made a survey of the latitudinal sixteenth line of
the SE $\frac{1}{4}$ of the section. The S. sec.cor. of the E. and
W. halves of sec.9, on the meridional $\frac{1}{4}$ sec.line is
well monumented and its position is verified by all of
the adjacent property, therefore, to avoid disturbing
property lines that have been recognized for some 20
years, accept said cor.as a control for the subdivision-
of-section lines.

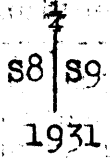
From the $\frac{1}{4}$ sec.cor. of secs.9 and 10, reconstructed as
hereinbefore described,
N.89°29'W., on true line, on latitudinal $\frac{1}{4}$ sec.line
of sec.9.
Over rolling land.

2.50 Surfaced road, bears NE. and SW.

7.90 Drain, course SW.

Survey: Subdivision-of-Section Lines: Sections 3, 9, and 10

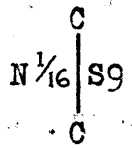
| | |
|--------|---|
| Chains | |
| 12.20 | Electric power transmission line, bears NW. and SE. |
| 22.70 | Paved highway, U.S.No.80, bears NW. and SE. |
| 30.80 | Paved highway, (Washington Boulevard), bears N.60°W. and S.60°E. |
| 34.80 | Ravine, course SE. for about 2 chs. thence S. |
| 39.70 | Electric power transmission line, bears NW. and SE. At 1.00 ch. NW. turns to W. |
| 40.18 | Intersect the meridional $\frac{1}{4}$ sec.line. Establish the center $\frac{1}{4}$ sec.cor. at this point as hereinafter described. |
| 43.90 | Drain, course S. |
| 55.30 | Ravine, course S. |
| 56.60 | Telephone line, bears N. and S. |
| 60.15 | Intersect a pine post, 6 ins.square, projecting 3 ft. above ground, apparently set at a recent date, and marked RR PROPERTY LINE. |
| 71.50 | Ravine, course SW. |
| 80.53 | Intersect the $\frac{1}{4}$ sec.cor. of secs.8 and 9, which is an old redwood post, 4 ins. square, $3\frac{1}{2}$ ft.long, loosely set in a small mound of earth and stone, and marked $\frac{1}{4}$ S8 on the W. face, and 9 $\frac{1}{4}$ S on the E. face. Reconstruct this cor. monument as follows: remove the mound, reset old post at same point 26 ins. in the ground, and alongside same set an iron post, 3 ft.long, 1 in.in diam., same depth in ground, for $\frac{1}{4}$ sec.cor., with brass cap mkd. |



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

From the reestablished $\frac{1}{4}$ sec.cor. of secs.4 and 9, hereinbefore described,
S.0°33'E., on true line, on the meridional $\frac{1}{4}$ sec.line of sec.9.
Over rolling land.

| | |
|-------|--|
| 3.50 | Drain, course SW. |
| 6.70 | Road, bears NE. and SW. |
| 8.00 | Paved highway, U.S.No.80, bears NW. and SE. |
| 19.98 | Midpoint of N. $\frac{1}{2}$. Set an iron post, 3 ft.long, 1 in.in diam., 30 ins. in the ground, for the N. $\frac{1}{16}$ sec.cor. of the E. and W. halves of sec.9, with brass cap mkd. |



1931

Survey: Subdivision-of-Section Lines: Sections 3, 9, and 10

| | |
|--------|--|
| Chains | raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. |
| 37.04 | Paved highway, (Washington Boulevard), bears E. and W. |
| 39.00 | Electric power transmission line, bears E. and W. |
| 39.96 | Intersect the latitudinal $\frac{1}{4}$ sec. line of sec. 9. Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for the center $\frac{1}{4}$ sec. cor., with brass cap mkd. C $\frac{1}{4}$ S9 1931 |
| 48.60 | Head of drain, course SW. |
| 59.57 | Wire fence, bears N. 70° W. and S. 70° E. Enter Southern Pacific Railroad's right-of-way. |
| 60.46 | Intersect the S. $\frac{1}{16}$ sec. cor. of the E. and W. halves of sec. 9, which is a redwood post, 4 ins. square, projecting 2 ft. above ground, firmly set, and marked 16/16 S9 on S. face, and PPL on the E. face. This cor. monument is at a fence cor. Reconstruct this cor. monument as follows: alongside the wood post, set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the S. $\frac{1}{16}$ sec. cor. of the E. and W. halves of sec. 9, with brass cap mkd. C S $\frac{1}{16}$ S9 C 1931 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Discontinue survey of the meridional $\frac{1}{4}$ sec. line of sec. 9 at the above described cor. |
| ----- | |
| | From the S. $\frac{1}{16}$ sec. cor. of the E. and W. halves of sec. 9, hereinbefore described, N. 89° 55' E., on true line, on the latitudinal sixteenth sec. line of the SE $\frac{1}{4}$ of sec. 9. Over level land, along fence, and on the right-of-way of the Southern Pacific Railroad. |
| 0.40 | Ravine, course S. |
| 4.00 | Fence cor., from which fences extend N. 70° W., SE. and W. Leave railroad right-of-way and enter rolling land. |
| 16.80 | Drain, course S. |
| 27.00 | Drain, course S. |
| 31.56 | Intersect the W. line of the bdy. of the right-of-way of the Arizona Cross-Cut Canal, bearing NE. and SW. Closing subdivision-of-section cor. and angle point No. 10 of the R.-O.-W. established at this point as hereinbefore described. Thence across Canal right-of-way. |
| 31.70 | Electric power transmission line, bears NW. and SE. |

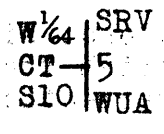
Survey: Subdivision-of-Section Lines: Sections 3, 9, and 10.

| Chains | |
|--|--|
| 34.16 | Center of canal right-of-way, 200 ft. wide, bears NE. and SW. Power house bears SW. about 5 chs. dist. |
| 35.78 | Paved highway, U.S. No. 80, bears NW. and SE. |
| 36.77 | Intersect the E. line of the bdy. of the right-of-way of the Ariz. Cross-Cut Canal, bears NE. and SW. Establish angle point No. 9 of the canal R.-O.-W. and closing subdivision-of-section cor. at this point of intersection as hereinbefore described. |
| 40.43 | Intersect the S. $\frac{1}{16}$ sec. cor. of secs. 9 and 10, hereinbefore described. |
| ----- | |
| Section 10. | |
| From the reestablished $\frac{1}{4}$ sec. cor. of secs. 10 and 15, hereinbefore described, N. $0^{\circ}55'W.$, on true line, on the meridional $\frac{1}{4}$ sec. line of sec. 10. Over rolling land. | |
| 20.18 | Midpoint of S. $\frac{1}{2}$. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the S. $\frac{1}{16}$ sec. cor. of the E. and W. halves of sec. 10, with brass cap mkd. |
| | $\begin{array}{c} C \\ S\frac{1}{16} S10 \\ C \end{array}$ 1931 |
| | raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. |
| 40.36 | Intersect the latitudinal $\frac{1}{4}$ sec. line of sec. 10. Establish the center $\frac{1}{4}$ sec. cor. of sec. 10 at this point of intersection as hereinafter described. |
| 44.00 | House, bears E. 1 ch. dist. |
| 49.70 | Road, bears E. and W. |
| 52.70 | Drain, course N. $60^{\circ}E.$ |
| 55.20 | House, bears E. 3 chs. dist. |
| 58.80 | Drain, course E. |
| 60.34 | Midpoint of N. $\frac{1}{2}$. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the N. $\frac{1}{16}$ sec. cor. of the E. and W. halves of sec. 10, with brass cap mkd. |
| | $\begin{array}{c} C \\ N\frac{1}{16} S10 \\ C \end{array}$ 1931 |
| | raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. |
| 80.32 | Intersect the reestablished $\frac{1}{4}$ sec. cor. of secs. 3 and 10, hereinbefore described. |
| | From the $\frac{1}{4}$ sec. cor. of secs. 9 and 10, reconstructed as hereinbefore described, N. $88^{\circ}39'E.$, on true line, on the latitudinal $\frac{1}{4}$ sec. line |

Survey: Subdivision-of-Section Lines: Sections 3, 9, and 10

Chains of sec.10.
Over rolling land.

10.06 Midpoint of W. $\frac{1}{2}$ of W. $\frac{1}{2}$. Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for the W. $\frac{1}{64}$ sec. cor. of the NW. and SW. quarters of sec.10, and for Cor.No.5 of the tract granted to the Salt River Valley Water User's Association, with brass cap mkd.



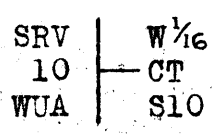
1931

11.38 Intersect the W. line of the bdy. of the right-of-way of the Ariz. Cross-Cut Canal at a point 3.45 chs. S. $39^{\circ}32'$ W. from angle point No.12 thereof, hereinbefore described.

13.38 Center line of canal R.-O.-W., bears N. $39^{\circ}32'E.$ and S. $39^{\circ}32'W.$

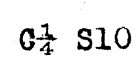
15.39 Intersect the E. line of the bdy. of the right-of-way of the Ariz. Cross-Cut Canal at a point 1.44 chs. S. $39^{\circ}32'$ W. from the true point for angle point No.7 thereof, hereinbefore described.
Leave canal right-of-way.

20.12 Midpoint of W. $\frac{1}{2}$. Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for the W. $\frac{1}{16}$ sec. cor. of the N. and S. halves of sec.10, and for Cor. No.10 of the tract granted to the Salt River Valley Water User's Association, with brass cap mkd.



1931

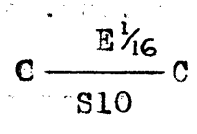
40.23 Intersect the meridional $\frac{1}{4}$ sec. line of sec.10. Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for the center $\frac{1}{4}$ sec. cor. of sec.10, with brass cap mkd.



1931

This cor. is on the round top of a small hill.

60.17 Midpoint of E. $\frac{1}{2}$. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, with a glass bottle deposited at base of post, for the E. $\frac{1}{16}$ sec. cor. of the N. and S. halves of sec.10, with brass cap mkd.



1931

dig pits, 18x18x12 ins., one each E. and W. of cor. 3 ft. dist.

Survey: Subdivision-of-Section Lines: Sections 3, 9, and 10, ...

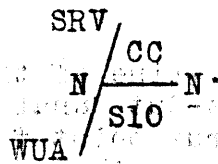
Chains

80.11 Intersect the 1/4 sec.cor. of secs.10 and 11; reconstruct- ed as hereinbefore described.

From the N.1/16 sec.cor. of the E. and W. halves of sec.10, hereinbefore described, S.88°45'W., on true line, on the latitudinal sixteenth sec.line of the NW.1/4 of sec.10. Over rolling land.

20.16 Intersect the meridional sixteenth sec.line of the NW1/4 of sec.10. Establish the NW1/16 sec.cor. of sec.10 at this point of intersection as hereinafter described.

26.04 Intersect the E. line of the bdy. of the right-of-way of the Ariz.Cross-Cut Canal at a point 3.91 chs. N.23°30'E. from angle point No.3 thereof, hereinbefore described. At this point of intersection, set an iron post, 3 ft.long, 1 in.in diam., 24 ins. in the ground, for closing subdivision-of-section cor., with brass cap mkd.



1931

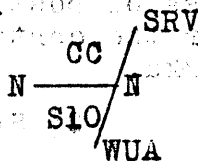
raise a mound of stone, 3 ft.base, 2 ft.high, E. of cor.

Thence across canal right-of-way, bears NE. and SW.

27.71 Center of canal R.-O.-W., bears N.23°30'E. and S.23°30'W., near the S. end of cement flume.

29.38 Intersect the W. line of the bdy. of the canal R.-O.-W. at a point 3.81 chs. N.23°30'E. from angle point No.16 thereof, hereinbefore described.

At this point of intersection, set an iron post, 3 ft.long, 1 in.in diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for closing subdivision-of-section cor., with brass cap mkd.



1931

Leave canal right-of-way.

30.24 Midpoint of W.1/4. Set temp. W.1/64 sec.cor. of the N. and S. halves of the NW1/4 of sec.10.

40.33 Intersect the N.1/16 sec.cor. of secs.9 and 10, hereinbefore described.

From the W.1/16 sec.cor. of secs.3 and 10, hereinbefore described, S.1°05'E., on true line, on the meridional sixteenth sec. line of the NW.1/4 of sec.10. Over rolling land.

Survey: Subdivision-of-Section Lines: Sections 3, 9, and 10

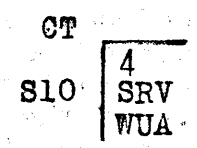
| Chains | Description |
|--------|---|
| 2.71 | Intersect the E. line of the bdy. of the right-of-way of the Ariz. Cross-Cut Canal, bearing NW. and SE., at a point 3.33 chs. N. 22° 30' W. from angle point No. 1 thereof, hereinbefore described. Thence across canal right-of-way. |
| 6.00 | Road, bears NW. and SW. on E. bank of canal. |
| 7.96 | Intersect the E. line of the bdy. of the right-of-way of the Ariz. Cross-Cut Canal, bearing NE. and SW., at a point 2.46 chs. S. 28° 31' W. from angle point No. 1 thereof, hereinbefore described. Leave canal right-of-way. |
| 13.90 | Surfaced road, bears NE. and SW. |
| 20.01 | Intersect the latitudinal sixteenth sec. line of the NW 1/4 of sec. 10. At this point of intersection, set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the NW 1/16 sec. cor. of sec. 10, with brass cap mkd. NW 1/16 S10 1931 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. |
| 30.01 | Midpoint of S. 1/2. Set temp. S. 1/4 sec. cor. of E. and W. halves of NW 1/4 of sec. 10. |
| 35.00 | Midpoint of S 1/2 of S 1/2. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for S. 1/256 sec. cor. of E 1/2 SW 1/4 NW 1/4 and W 1/2 SE 1/4 NW 1/4 of sec. 10, and for Cor. No. 1 (NE. cor.) of the tract granted to the Salt River Valley Water User's Association, with brass cap mkd. CT 1 1/256 SRV S10 WUA 1931 raise a mound of stone; 2 ft. base, 1 1/2 ft. high, W. of cor. |
| 40.02 | Intersect the W. 1/16 sec. cor. of the N. and S. halves of sec. 10 on the latitudinal 1/4 sec. line, hereinbefore described, which is also Cor. No. 10 of the tract granted to the Salt River Valley Water User's Association. ----- From the S. 1/16 sec. cor. of the E. and W. halves of sec. 10, on the meridional 1/4 sec. line, hereinbefore described, S. 88° 45' W., on true line, on latitudinal sixteenth line of the SW 1/4 of sec. 10. Over rolling land. |
| 20.07 | Intersect the meridional sixteenth line of the SW 1/4 of sec. 10. Establish the SW 1/16 sec. cor. of said sec. at this point as hereinafter described. |
| 30.09 | Midpoint of W. 1/2. Set temp. W. 1/4 sec. cor. of the N. and S. halves of the SW 1/4 of sec. 10. |
| 40.12 | Intersect the S. 1/16 sec. cor. of secs. 9 and 10, hereinbefore described. ----- From the W. 1/16 sec. cor. of the N. and S. halves of sec. 10 |

Survey: Subdivision-of-Section lines: Sections 3, 9, and 10

- Chains and Cor.No.10 of the tract granted to the Salt River Valley Water User's Association, hereinbefore described, S.1°08'E., on true line, on the N.½ of the meridional sixteenth line of the SW.¼ of sec.10. Over rolling land.
- 5.02 Midpoint of N.½ of N.¼. Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for N.¼²⁵⁶ sec.cor. of E.½NW.¼SW.¼ and W.½NE.¼SW.¼ of sec.10, and for Cor.No.9 (SE.cor.) of the tract granted to the Salt River Valley Water User's Association, with brass cap mkd.
- SRV | ¼²⁵⁶
WUA | S10
-----|
9 | CT
- 1931
- 10.05 Midpoint of N.½. Set temp. N.¼⁶⁴ sec.cor. of the E. and W. halves of the SW.¼ of sec.10.
- 20.10 Intersect the latitudinal sixteenth sec.line of the SW.¼ of sec.10.
At this point of intersection,
set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for the SW.¼¹⁶ sec.cor. of sec.10, with brass cap mkd.
- SW ¼¹⁶
S10
- 1931
- raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
- Thence
S.1°08'E., on blank line, on meridional sixteenth sec. line of the SW.¼ of sec.10.
- 20.13 Intersect the temp. W.¼¹⁶ sec.cor. of secs.10 and 15.
-
- From the temp. S.¼⁶⁴ sec.cor. of the E. and W. halves of the NW.¼ of sec.10,
S.89°42'W., on blank line, on latitudinal ¼⁶⁴ sec.line of the SW.¼ of NW.¼ of said sec.
- 10.07 Intersect the meridional ¼⁶⁴ sec.line of the SW.¼ of NW.¼ of sec.10. The temp. SW.¼⁶⁴ sec.cor. of the NW.¼ of the sec. set here as hereinafter described.
- 20.15 Intersect the temp. S.¼⁶⁴ sec.cor. of NE.¼ of sec.9 and of NW.¼ of sec.10, on the section line bet. secs.9 and 10.
-
- From the temp. W.¼⁶⁴ sec.cor. of the N. and S. halves of the NW.¼ of sec.10,
S.1°12'E., on blank line, on the meridional ¼⁶⁴ sec. line of the SW.¼ of NW.¼ of said sec.
- 10.02 Intersect the latitudinal ¼⁶⁴ sec.line of the SW.¼ of NW.¼ of the sec. Set temp. SW.¼⁶⁴ sec.cor. of the NW.¼ of the sec. at this point.
- 15.03 Mid point of S.½. Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for the S.¼²⁵⁶ sec.cor. of the E. and W. halves of the SW.¼NW.¼ of sec.10, and for

Survey: Subdivision-of-Sections-Lines: Sections 3, 9, and 10

Chains Cor.No.4 (NW.cor.) of the tract granted to the Salt River Valley Water User's Association, with brass cap mkd.



1931

Thence S.1°12'E., on true line, on the S. 1/4 of the meridional 1/64 sec. line of the SW 1/4 NW 1/4 of sec.10, and on the bdy. of the tract granted to the Salt River Valley Water User's Association. Over rolling land.

5.01 Intersect the W. 1/64 sec. cor. of the NW. and SW. quarters of sec.10, and Cor.No.5 of the tract granted to the Salt River Valley Water User's Association, on the latitudinal 1/4 sec. line of the sec., hereinbefore described.

From the temp. N. 1/64 sec. cor. of the E. and W. halves of the SW. 1/4 of sec.10, S.89°42'W., on blank line, on the latitudinal 1/64 sec. line of the NW 1/4 SW 1/4 of the sec.

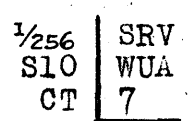
10.04 Intersect the meridional 1/64 sec. line of the NW 1/4 SW 1/4 of the sec. Temp. NW. 1/64 sec. cor. of the SW 1/4 of sec.10 set here as hereinafter described.

20.09 Intersect the temp. N. 1/64 sec. cor. of SW 1/4 of sec.10, and SE 1/4 of sec.9, on the section line bet. secs.9 and 10.

From the temp. W. 1/64 sec. cor. of the N. and S. halves of the SW 1/4 of sec.10, N.1°09'W., on blank line, on the meridional 1/64 sec. line of the NW 1/4 SW 1/4 of the sec.

10.04 Intersect the latitudinal 1/64 sec. line of the NW 1/4 SW 1/4. Set temp. NW. 1/64 sec. cor. of the SW. 1/4 of sec.10 at this point of intersection.

15.07 Midpoint of N. 1/2 . Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone around post, for the N. 1/256 sec. cor. of the E. and W. halves of the NW 1/4 SW 1/4 of sec.10, and for Cor.No.7 (SW.cor.) of the tract granted to the Salt River Valley Water User's Association, with brass cap mkd.



1931

Thence N.1°09'W., on true line, on the meridional 1/64 sec. line of the NW 1/4 SW 1/4 of sec.10, and on the bdy. of the tract granted to the S.R.V. W.U.A. Over rolling land.

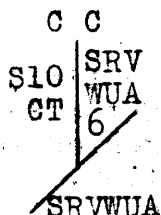
1.49 Center of the right-of-way of the Ariz. Cross-Cut Canal, bears NE. and SW., 200 ft. wide.

3.49 Intersect the W. line of the bdy. of the right-of-way of the Ariz. Cross-Cut Canal, bearing NE. and SW., at a point 5.48 chs. S.39°32'W. from angle point No.12

Survey: Subdivision-of-Section Lines: Sections 3, 9, and 10.

Chains

thereof, hereinbefore described.
At this point of intersection,
set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in
the ground to bedrock, deposit a stone marked with a
cross (X) at base of post, and raise a mound of stone
around post, for closing subdivision-of-section cor.,
and for Cor. No. 6 of the tract granted to the Salt
River Valley Water User's Association, with brass cap
mkd.

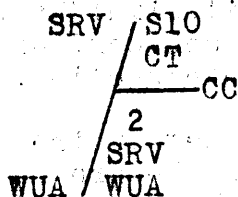


1931

5.02 Intersect the W. $\frac{1}{4}$ sec. cor. of the NW. and SW. quarters
of sec. 10, and Cor. No. 5 of the tract granted to the
S.R.V. W.U.A., hereinbefore described.

From the S. $\frac{1}{256}$ sec. cor. of E. $\frac{1}{2}$ SW. $\frac{1}{4}$ NW. $\frac{1}{4}$ and W. $\frac{1}{2}$ SE. $\frac{1}{4}$ NW. $\frac{1}{4}$ of sec.
10, and Cor. No. 1 (NE. cor.) of the tract granted to the
S.R.V. W.U.A., hereinbefore described,
S. $88^{\circ}43'W.$, on true line, on latitudinal $\frac{1}{256}$ sec. line of
the SE. $\frac{1}{2}$ SW. $\frac{1}{4}$ NW. $\frac{1}{4}$ of sec. 10, and bdy. of the tract granted
to the S.R.V. W.U.A.
Over rolling land:

2.55 Intersect the E. line of the bdy. of the right-of-way
of the Arizona Cross-Cut Canal, bearing NE. and SW.,
at a point 1.39 chs. S. $16^{\circ}40'W.$ from angle point No. 6
thereof, hereinbefore described,
At this point of intersection,
set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for closing subdivision-of-section cor.,
and for Cor. No. 2 of the tract granted to the Salt River
Valley Water User's Association, with brass cap mkd.



1931

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

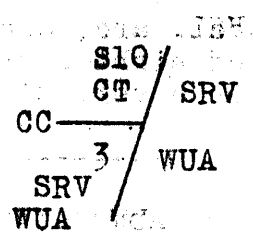
4.14 Center of canal right-of-way, near northerly end of
forebay 95 lks. wide.

5.73 Intersect the W. line of the right-of-way of the Arizona
Cross-Cut Canal, bearing NE. and SW., at a point 1.53
chs. S. $16^{\circ}40'W.$ from angle point No. 13 thereof, here-
inbefore described.

At this point of intersection,
set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for closing subdivision-of-section cor.,
and for Cor. No. 3 of the tract granted to the Salt River
Valley Water User's Association, with brass cap mkd.

Survey: Subdivision-of-Section Lines: Sections 3, 9, and 10

Chains



1931

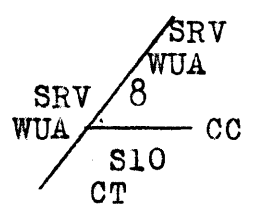
raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Leave canal right-of-way.

10.06 Intersect the S. $\frac{1}{256}$ sec. cor. of the E. and W. halves of the SW $\frac{1}{4}$ NW $\frac{1}{4}$ of sec. 10, and Cor. No. 4 of the tract granted to the Salt River Valley Water User's Association, hereinbefore described.

From the N. $\frac{1}{256}$ sec. cor. of the E. and W. halves of the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. 10, and Cor. No. 7 (SW. cor.) of the tract granted to the Salt River Valley Water User's Association, hereinbefore described, N. $88^{\circ}43'$ E., on true line, on the latitudinal $\frac{1}{256}$ sec. line of the NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. 10, and bdy. of the tract granted to the S.R.V. W.U.A.

Within the right-of-way of the Ariz. Cross-Cut canal, bearing NE. and SW.

1.00 Intersect the E. line of the bdy. of the right-of-way of the Ariz. Cross-Cut Canal, at a point 8.10 chs. S. $39^{\circ}32'$ W. from true point for angle point No. 7 thereof, hereinbefore described.
At this point of intersection, set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for closing subdivision-of-section cor., and for Cor. No. 8 of the tract granted to the Salt River Valley Water User's Association, with brass cap mkd.



1931

raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
Leave canal right-of-way.

10.05 Intersect the N. $\frac{1}{256}$ sec. cor. of the E $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ and W $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. 10, and Cor. No. 9 (SE. cor.) of the tract granted to the Salt River Valley Water User's Association, hereinbefore described.

FINAL TEST OF SOLAR ATTACHMENT.

April 3, 1931; at same station where preliminary test of instrument was made as hereinbefore described, set off $33^{\circ}26\frac{1}{2}'$ N. on the lat. arc, $5^{\circ}07\frac{1}{2}'$ N. on the decl. arc, at 8h. Om. a.m., app.t., and orient the transit with the solar; the line of sight agrees with the meridian established at this station by Polaris observation.

At 4h. Om. p.m., app.t., with the lat. arc unchanged, set

off 5°15'N. on the decl. arc, and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

GENERAL DESCRIPTION.

The area covered by the surveys described in the foregoing field notes, comprises sections 3, 9, and 10, of T.1 N., R.4 E., G. & S.R. B. & M., Arizona, and has a general elevation of 1200 ft. above sea level. It is 6 1/2 miles due east from the center of the City of Phoenix, on the N. side of the Salt River, directly opposite the City of Tempe. The Southern Pacific Railroad, and two paved highways cross section 9, connecting the two cities. The Arizona Cross-Cut Canal, with a general southerly course, and a right-of-way 200 ft. wide, crosses all of the sections named. This canal is taken from the Arizona Canal of the Salt River Irrigation Project at a point about two miles N. and terminates at the Joint Head Dam in section 8 of this Twp.

The E 1/2 W 1/2, and E 1/2, of sec. 3, and the E 1/2 NE 1/4 of sec. 10, are irrigated and under intense cultivation. The cultivated area, including most of the SE 1/4 of sec. 10, is nearly level, with a soil of a light sandy loam which is very productive. The remainder of the three sections are rather rough and rolling, with a gravelly and rocky soil.

There is a scattering undergrowth of greasewood and chamise brush, with considerable giant cacti over the uncultivated lands.

3000 2040

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Francis E. Joy U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer, for Group 166, Arizona bearing date of the 3rd day of November, 1930, 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, ~~resurveyed~~ resurveyed all those parts or portions of the North Boundary and Subdivision Lines of Township 1 North, Range 4 East and surveyed all those parts or portions of the Subdivision-of-Section lines of Secs. 3, 9, and 10, T.1 N., R.4 E.; and the East and West lines of the Right-of-Way of the Arizona Cross Cut Canal in Township 1 North, Range 4 East of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said resurvey and survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer, for Group 166, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such resurvey and survey.
 San Francisco, California,
 September 22, 1931.

Francis E. Joy
 U.S. Cadastral Engineer.

~~XXXXXXXXXXXX~~

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colo. July 6, 1932

The foregoing field notes of the resurvey of Part of the North Bdy. (N. of sec. 3) and Part of the Subdivision Lines (bdrs. of secs. 3 & 10, and N. bdy. of sec. 9) of T. 1 N., R. 4 E.; and of the survey of Part of the Subdivision-of- Section lines of Secs. 3, 9, and 10, of T. 1 N., R. 4 E.; the West line of Right-of-Way of Arizona Cross Cut Canal thru $W\frac{1}{2}W\frac{1}{2}$ of sec. 3; thru sec. 10; and thru $NE\frac{1}{4}SE\frac{1}{4}$ of sec. 9; and the East line of said Right-of-Way thru sec. 10; and thru $NE\frac{1}{4}SE\frac{1}{4}$ of sec. 9, of Township 1 North, Range 4 E. of the Gila and Salt River Base and Meridian, in the State of Arizona. executed by Francis E. Joy, U.S. Cadastral Engineer.

under his special instructions dated November 3, 1930, for Group 166, Arizona having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys and surveys they describe, are hereby approved.

William H. Johnson
 U. S. Supervisor of Surveys.

~~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. Supervisor of Surveys~~