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BOOK 3456

AUG 19 1921

FIELD NOTES

OF THE RESURVEY OF

Part of the North Boundary

and

Part of the Subdivision Lines

AND OF THE SURVEY OF

Part of the Subdivision Lines

of

Fractional Township 11 South, Range 24 West

of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

William H. Thorn, U.S. Cadastral Engineer

and

William D. Wilson, Temporary U.S. Transitman

In the capacity of U. S. Surveyor S., under Special Instructions dated March 10, 1919, issued by the United States Surveyor General to govern surveys included in Group No. 95, which were approved by the Commissioner of the General Land Office, May 13, 1919, and Assignment Instructions dated Jan. 6, 1920.

Resurvey and Survey commenced March 24, 1920.

Resurvey and Survey completed April 1, 1920.

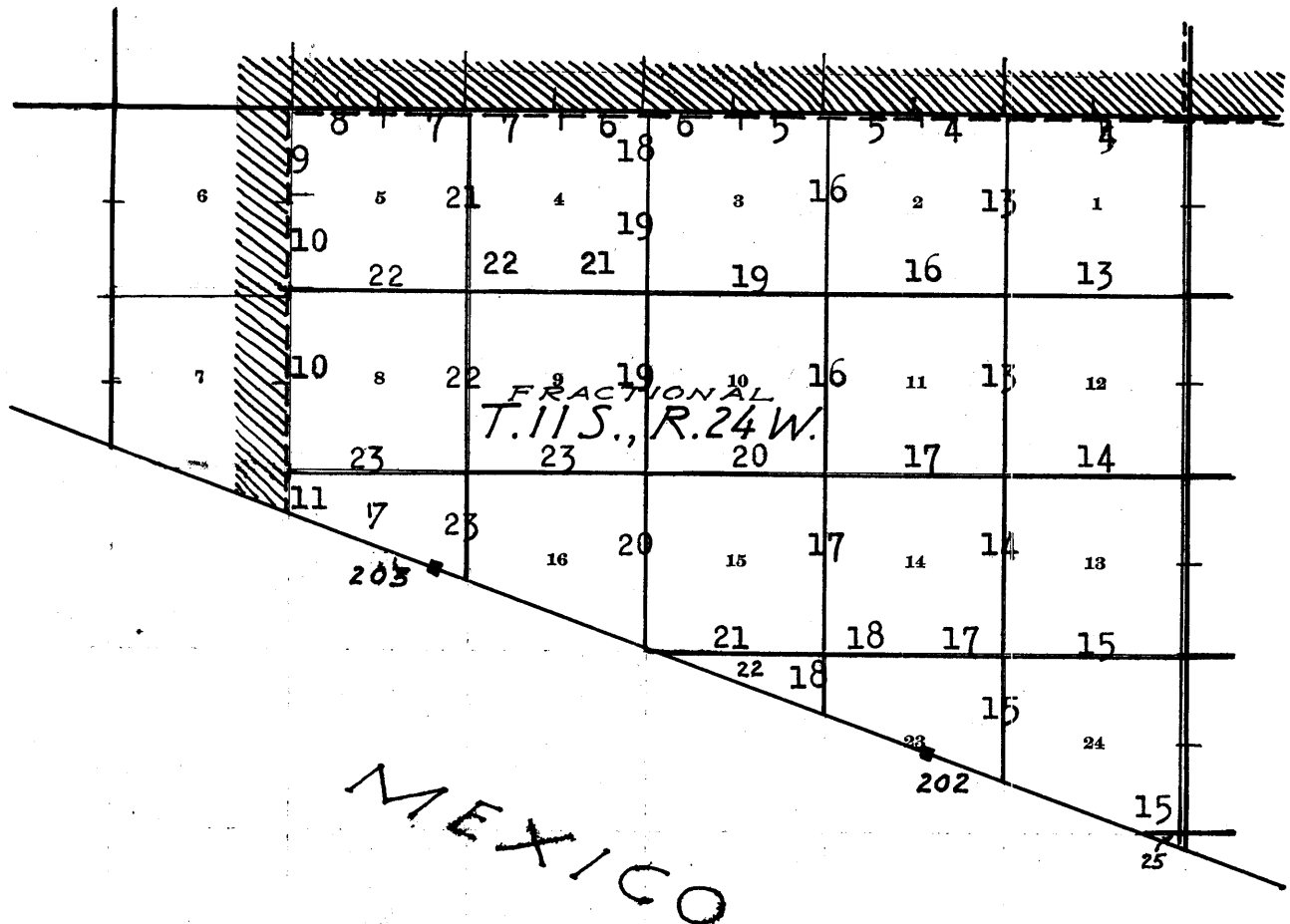
BOOK 3456



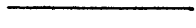

Book "I"

Group 95 - - Arizona.

Township 11 South, Range 24 West.

INDEX DIAGRAM.



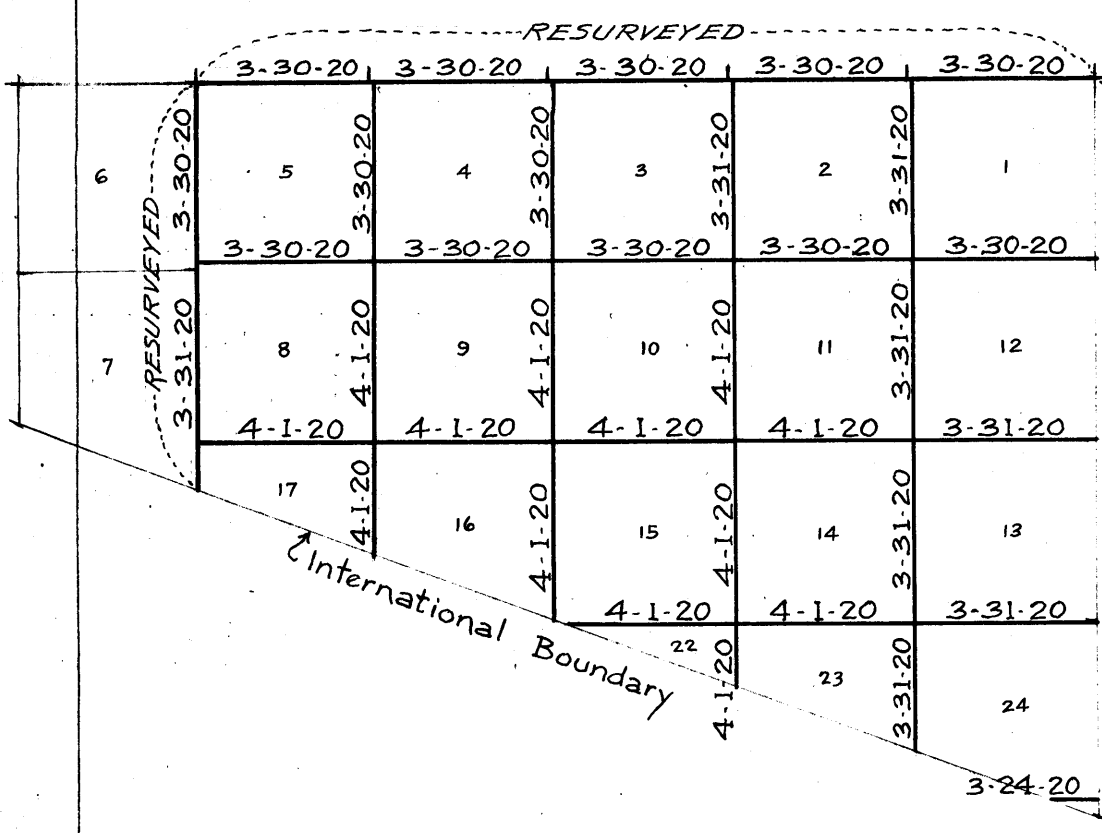
-  Lines surveyed under this group.
-  Lines resurveyed under this group.
-  Accepted surveys.
-  Areas surveyed as per accepted plats.

Book "I"

Group 95 - - - - - Arizona.

Fractional Township 11 South, Range 24 West.

• DATE •
• DIAGRAM •



For dates of execution of survey of this line see book "H"

Black lines indicate surveys by William H. Thorn, U.S. Cadastral Engineer, on dates shown thereon.

Red lines indicate surveys by William D. Wilson, Temporary U.S. Transitman, on dates shown thereon.

Resurveys and surveys hereinafter described executed by William H. Thorn, U. S. Cadastral Engineer, and William D. Wilson, Temporary U. S. Transitman, on dates shown on diagram on page 1 hereof, using respectively Young and Sons' light mountain transits Nos. 8592 and 8148. For description of instruments and certificate of approval, see Book "A".

Unless otherwise specified, all measurements are made with a Lufkin steel tape, 5 chs. in length, compared with a Chesterman standard steel tape and found correct. The measurements are made on the slope, the vertical angles determined and the slope measurements properly reduced to true horizontal distances.

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

March 28, 1920. At our camp near the NW. cor. of sec. 9, T. 11 S., R. 23 W., G. and S. R. B. and M., lat. $32^{\circ}29'N.$, long. $114^{\circ}38'W.$, using the meridian determined as described in Book "H", at 9 hrs. 0 m., a.m., l.m.t., we set off $32^{\circ}29'N.$ on the lat. arcs; $3^{\circ}4'N.$ on the decl. arcs; and determine a meridian with each solar, which in each case agrees with the true meridian.

At apparent noon, with the lat. arcs unchanged, we observe the sun on the meridian; the resulting decl. with each solar is $3^{\circ}7'N.$, which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arcs unchanged, we set off $3^{\circ}10'N.$ on the decl. arcs, and determine a meridian with each solar, which in each case agrees with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1'30''$ of the true meridian, we conclude that the adjustments of the solars are satisfactory.

Resurvey of Part of the North Boundary of Fractional T. 11 S., R. 24 E.

Chains.

The North Boundary of Fractional T. 11 S., R. 24 W. was surveyed in January 1874 by Theo. F. White, U. S. D. S. No subsequent retracement or resurvey of this boundary is of record in this office, but the United States Reclamation Service has retraced this boundary and perpetuated the original cors. with 4 X 4 in. redwood posts, which are the cors. hereinafter described.

RETRACEMENT FOR RESURVEY.

40.28 From the reestablished cor. of Ts. 10 and 11 S., Rs. 23 and 24 W., described in Book "H", West on retracement, along the S. bdy. of sec. 36 (E. 1/2) Fall 5 lks. S. of the 1/4 sec. cor., preserved as hereinafter described. The true course and distance of this half mile are therefore N. 89° 56' W., 40.28 chs.

40.28 From the 1/4 sec. cor., West on retracement, along the S. bdy. of sec. 36 (W. 1/2) Fall 5 lks. S. of the cor. of secs. 1, 2, 35 and 36, preserved as hereinafter described. The true course and distance of this half mile are therefore N. 89° 56' W., 40.28 chs.

40.20 From the cor. of secs. 1, 2, 35 and 36, West on retracement, along the S. bdy. of sec. 35 (E. 1/2) Fall 5 lks. S. of the 1/4 sec. cor., preserved as hereinafter described. The true course and distance of this half mile are therefore N. 89° 56' W., 40.20 chs.

40.20 From the 1/4 sec. cor., West on retracement, along the S. bdy. of sec. 35 (W. 1/2) Fall 5 lks. S. of the cor. of secs. 2, 3, 34 and 35, preserved as hereinafter described. The true course and distance of this half mile are therefore N. 89° 56' W., 40.20 chs.

40.14 From the cor. of secs. 2, 3, 34 and 35, West on retracement, along the S. bdy. of sec. 34 (E. 1/2) Fall 12 lks. N. of the 1/4 sec. cor., preserved as hereinafter described. The true course and distance of this half mile are therefore S. 89° 50' W., 40.14 chs.

40.14 From the 1/4 sec. cor., West on retracement, along the S. bdy. of sec. 34 (W. 1/2) Fall 15 lks. N. of the cor. of secs. 3, 4, 33 and 34, preserved as hereinafter described. The true course and distance of this half mile are therefore S. 89° 47' W., 40.14 chs.

40.16 From the cor. of secs. 3, 4, 33 and 34, West on retracement, along the S. bdy. of sec. 33 (E. 1/2) Fall 10 lks. N. of the 1/4 sec. cor., preserved as hereinafter described. The true course and distance of this half mile are therefore S. 89° 51' W., 40.16 chs.

40.16 From the 1/4 sec. cor., West on retracement, along the S. bdy. of sec. 33 (W. 1/2) Fall 9 lks. N. of the cor. of secs. 4, 5, 32 and 33, preserved as hereinafter described. The true course and distance of this half mile are therefore S. 89° 52' W., 40.16 chs.

40.30 From the cor. of secs. 4, 5, 32 and 33, West on retracement, along the S. bdy. of sec. 32 (E. 1/2) Fall 7 lks. N. of the 1/4 sec. cor., preserved as hereinafter described. The true course and distance of this half mile are therefore S. 89° 54' W., 40.30 chs.

Resurvey of a Part of the North Boundary of Fractional T. 11 S., R. 24 W.

Chains.	<p>From the $\frac{1}{4}$ sec. cor., West on retracement, along the S. bdy. of sec. 32 ($W\frac{1}{2}$) 40.26 Fall 20 lks. N. of the cor. of secs. 5, 6, 31 and 32, preserved as hereinafter described. The true course and distance of this half mile are there- fore S.89°43'W. 40.26 chs.</p>
	<p style="text-align: center;">RESURVEY</p> <p>From the reestablished cor. of Ts. 10 and 11 S., Rs. 23 and 24 W., described in Book "H", N.89°56'W., on a true line, along the N. bdy. of sec. 1. 40.00 Over level land, through scattering low undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 1, T. 11 S., R. 24 W., marked on brass cap</p>
	<p style="text-align: center;">$\frac{1}{4}$ S 1 1920</p> <p>Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.</p> <p>40.28 Intersect the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, which is a redwood post, 4 ins. square, 14 ins. above ground, set by the United States Reclamation Service, and marked</p>
	<p style="text-align: center;">$\frac{1}{4}$ S 36 1920</p> <p>I destroy the markings on the redwood post referring to sec. 1, and alongside reestablish the $\frac{1}{4}$ sec. cor. of sec. 36 only, as follows: Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 36, T. 10 S., R. 24 W., marked on brass cap</p>
	<p style="text-align: center;">$\frac{1}{4}$ S 36 1920</p> <p>Dig pits, 18 X-18 X 12 ins., E. and W. of post, 3 ft. dist.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for reestablished cor. of secs. 1 and 2, T. 11 S., R. 24 W., marked on brass cap</p>
	<p style="text-align: center;">T10S R24W S 36 S 2 S 1 T11S R24W 1920</p> <p>Dig pits, 18 X 18 X 12 ins., in each sec., SE. and SW. of post, 3 ft. dist. Land, level, drains SW. Soil, slightly stony, 3rd rate. No timber. Undergrowth, greasewood and sagebrush.</p>
	<p>N.89°56'W. on a true line, along the N. bdy. of sec. 2. Over nearly level land, through scattering low undergrowth. 0.56 (80.56 chs. N.89°56'W. of the reestablished cor. of Ts. 10 and 11 S., Rs. 23 and 24 W.) Intersect the cor. of secs. 1, 2, 35 and 36, which is a redwood post, 4 ins. square, 14 ins. above ground, set by the United States Reclamation Service, and marked appropriately. I alter the markings to refer to secs. 35 and 36 only. Along- side</p>

Resurvey of Part of the North Boundary of Fractional T. 11 S., R. 24 W.

Chains.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for reestablished cor. of secs. 35 and 36, T. 10 S., R. 24 W., marked on brass cap

T10S R24W
S35 S36
S 2
T11S R24W
1920

Dig pits, 18 X 18 X 12 ins., in each sec., NE. and NW. of post, 3 ft. dist.

Thence N.89°56'W., continuing measurement.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 2, T. 11 S., R. 24 W., marked on brass cap

1/4 S2
1920

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.

40.76

(40.20 chs. N.89°56'W. of the reestablished cor. of secs. 35 and 36, T. 10 S., R. 24 W.) Intersect the $\frac{1}{4}$ sec. cor. of secs. 2 and 35, which is a redwood post, 4 ins. square, 12 ins. above ground, set by the United States Reclamation Service; and appropriately marked. Alongside Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 35, T. 10 S., R. 24 W., marked on brass cap

1/4 S35
1920

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist. Alter the markings on redwood post to refer to sec. 35 only.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for reestablished cor. of secs. 2 and 3, T. 11 S., R. 24 W., marked on brass cap

T10S R24W
S35
S 3 S 2
T11S R24W
1920

Dig pits, 18 X 18 X 12 ins., in each sec., SE. and SW. of post, 3 ft. dist.

Land, nearly level; drains SW.
Soil, sandy and slightly stony, 3rd rate.
No timber.
Undergrowth, greasewood and sagebrush.

0.96

N.89°56'W. on a true line, along the N. bdy. of sec. 3. Over nearly level land, through scattering undergrowth. (80.40 chs. N.89°56'W. of the reestablished cor. of secs. 35 and 36, T. 10 S., R. 24 W.) Intersect the cor. of secs. 2, 3, 34 and 35, which is a redwood post, 4 ins. square, 12 ins. above ground, set by the United States Reclamation Service, appropriately marked. I alter the markings to refer to secs. 34 and 35 only. Alongside Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for reestablished cor. of secs. 34 and 35, T. 10 S., R. 24 W., marked on brass cap

Resurvey of a Part of the North Boundary of Fractional T. 11 S., R. 24 W.

Chains.		
	<p style="text-align: center;">T10S R24W <u>S34 S35</u> S 3 T11S R24W 1920</p> <p>Dig pits, 18 X 18 X 12 ins., in each sec., NE. and NW. of post, 3 ft. dist.</p>	
40.00	<p>Thence S.89°50'W., continuing measurement.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 3, T. 11 S., R. 24 W., marked on brass cap</p> <p style="text-align: center;"><u>$\frac{1}{4}$S 3</u> 1920</p>	
41.10	<p>Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.</p> <p>(40.14 chs. S.89°50'W. of the reestablished cor. of secs. 34 and 35, T. 10 S., R. 24 W.) Intersect the $\frac{1}{4}$ sec. cor. of secs. 3 and 34, which is a redwood post, 4 ins. square, 14 ins. above ground, set by the United States Reclamation Service, and appropriately marked. I alter the markings to refer to sec. 34, T. 10 S., R. 24 W. only. Alongside</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 34, T. 10 S., R. 24 W., marked on brass cap</p> <p style="text-align: center;"><u>$\frac{1}{4}$S34</u> 1920</p>	
80.00	<p>Dig pits, 18 X 18 x 12 ins., E. and W. of post, 3 ft. dist.</p> <p>Thence S.89°47'W., on a true line, continuing measurement.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for reestablished cor. of secs. 3 and 4, T. 11 S., R. 24 W., marked on brass cap</p> <p style="text-align: center;">T10S R24W <u>S34</u> S 4 S 3 T11S R24W 1920</p> <p>Dig pits, 18 X 18 X 12 ins., in each sec., SE. and SW. of post, 3 ft. dist.</p> <p>Land, nearly level; drains SW. Soil, sandy and slightly rocky, 3rd rate. No timber. Undergrowth, greasewood.</p>	
1.24	<p>S.89°47'W. on a true line, along the N. bdy. of sec. 4. Over nearly level land, through scattering undergrowth.</p> <p>(40.14 chs. S.89°47'W. of the reestablished $\frac{1}{4}$ sec. cor. of sec. 34, T. 10 S., R. 24 W.) Intersect the cor. of secs 3, 4, 33 and 34, which is a redwood post, 4 ins. square, 14 ins. above ground, set by the United States Reclamation Service, and appropriately marked. I alter the markings to refer to secs. 33 and 34 only. Alongside</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for reestablished cor. of secs. 33 and 34, T. 10 S., R. 24 W., marked on brass cap</p> <p style="text-align: center;">T10S R24W <u>S33 S34</u> S 4 T11S R24S 1920</p>	

Resurvey of a Part of the North Boundary of Fractional T. 11 S., R. 24 W.

Chains.

40.00 Dig pits, 18 X 18 X 12 ins., in each sec., NE. and NW. of post, 3 ft. dist.
 Thence S.89°51'W., on a true line, continuing measurement.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 4, T. 11 S., R. 24 W., marked on brass cap

1/4 S 4
 1920

41.40 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 (40.16 chs. S.89°51'W. of the reestablished cor. of secs. 33 and 34, T. 10 S., R. 24 W.) Intersect the $\frac{1}{4}$ sec. cor., of secs. 4 and 33, which is a redwood post, 4 ins. square, 14 ins. above ground, set by the United States Reclamation Service, and appropriately marked. I alter the markings to refer to sec. 33 only. Alongside
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 33, T. 10 S., R. 24 W., marked on brass cap

1/4 S 33
 1920

80.00 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 Thence S.89°52'W., on a true line, continuing measurement.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for reestablished cor. of secs. 4 and 5, T. 11 S., R. 24 W., marked on brass cap

T10S R24 W
S 33
 S 5 | S 4
 T11S | R24W
 1920

Dig pits, 18 X 18 X 12 ins. SE and SW of post, 3 ft. dist.
 Land, nearly level; drains NW.
 Soil, sandy and slightly rocky, 3rd rate.
 No timber.
 Undergrowth, greasewood.

1.56 S.89°52'W., on a true line, along the N. bdy. of sec. 5. Over slightly rolling land, through scattering undergrowth.
 (40.16 chs. S.89°52'W. of the reestablished $\frac{1}{4}$ sec. cor. of sec. 33, T. 10 S., R. 24 W.) Intersect the cor. of secs 4, 5, 32 and 33, which is a redwood post, 4 ins. square 14 ins. above ground, set by United States Reclamation Service, and appropriately marked, Beside this cor. is the remains of the original cor., a 2 X 2 in. stake, with marks plainly visible. I alter the markings on the redwood post to refer to secs. 32 and 33 only. Alongside
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for reestablished cor. of secs. 32 and 33, T. 10 S., R. 24 W., marked on brass cap

T10S R24W
S 32 | S 33
 S 5
 T11S R24W
 1920

Dig pits, 18 X 18 X 12 ins., in each sec., NE. and NW. of post, 3 ft. dist.
 Thence S.89°54'W., on a true line, continuing measurement.

Resurvey of a Part of the North Boundary of Fractional T. 11 S., R. 24 W.

Chains. 40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 5, T. 11 S., R. 24 W., marked on brass cap.	
	$\frac{1}{4}S 5$ 1920	
41.86	Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.	
	<p>(40.20 chs. S.89°54'W. of the reestablished cor. of secs. 32 and 33, T. 10 S., R. 24 W.) Intersect the $\frac{1}{4}$ sec. cor. of secs. 5 and 32, which is a redwood post, 4 ins. square, 30 ins. above ground, set by the United States Reclamation Service and appropriately marked. I alter the markings to refer to sec. 32 only. Alongside</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 32, T. 10 S., R. 24 W., marked on brass cap</p>	
	$\frac{1}{4}S32$ 1920	
82.12	Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.	
	<p>Thence S.89°43'W. on a true line, continuing measurement. (40.26 chs. S.89°43'W. of the reestablished $\frac{1}{4}$ sec. cor. of sec. 32, T. 10 S., R. 24 W.) Intersect the cor. of secs. 5, 6, 31 and 32, which is a redwood post, 4 ins. square, 16 ins. above ground, set by the United States Reclamation Service, and appropriately marked. Alongside</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for reestablished cor. of secs. 5, 6, 31 and 32, marked on brass cap</p>	
	$\begin{array}{c} T10S R24W \\ \hline S31 S32 \\ \hline S 6 S 5 \\ T11S \\ 1920 \end{array}$	
	<p>Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist.</p> <p>Land, slightly rolling; drains NW.</p> <p>Soil, sandy, slightly rocky, 3rd rate.</p> <p>No timber.</p> <p>Undergrowth, greasewood and sagebrush.</p>	

Resurvey of part of the Subdivision lines of Fractional T. 11 S., R. 24 W.

Chains

That part of the International Boundary between United States and Mexico forming the South Boundary of Fractional T. 11 S., R. 24 W., was surveyed in 1854-1856 by William H. Emory, Major First Cavalry, and U. S. Commissioner, and was resurveyed between existing monuments in 1891-1896 under the direction of the International Boundary Commission, headed by J. W. Barlow, Lieutenant Colonel, Corps of Engineers, U. S. A. No further retracement or resurvey is of record in this office.

The portion of this Tp. already subdivided was surveyed by William H. Elliot, U. S. D. S., in Nov., 1905. There has been no subsequent official retracement or resurvey of these lines, but certain corners have been perpetuated by posts set by the United States Reclamation Service, which are hereinafter described.

RETRACEMENT FOR RESURVEY.

40.10 From the reestablished cor. of secs. 5, 6, 31 and 32, on the N. bdy. of Tp., hereinbefore described, South on retracement, along the E. bdy. of sec. 6 (N. $\frac{1}{2}$) Fall 2 lks. W. of the $\frac{1}{4}$ sec. cor., perpetuated as hereinafter described. The true course and distance of this half mile are therefore S.0°2'E. 40.10 chs.

40.21 From the $\frac{1}{4}$ sec. cor., South on retracement, along the E. bdy. of sec. 6 (S. $\frac{1}{2}$) Fall 51 lks. W. of the cor. of secs. 5, 6, 7 and 8, perpetuated as hereinafter described. The true course and distance of this half mile are therefore S.0°44'E., 40.21 chs.

40.12 From the cor. of secs. 5, 6, 7 and 8, South on retracement, along the E. bdy. of sec. 7 (N. $\frac{1}{2}$) Fall 1 lk. W. of the $\frac{1}{4}$ sec. cor., perpetuated as hereinafter described. The true course and distance of this half mile are therefore S.0°1'E., 40.12 chs.

60.30 From the $\frac{1}{4}$ sec. cor., South on retracement, along the E. bdy. of sec. 7 (S. $\frac{1}{2}$) Fall 4 lks. W. of the closing cor. of secs. 7 and 17, perpetuated as hereinafter described. The true course and distance of this half mile are therefore S.0°2'E. 60.30 chs.

Resurvey.

38.21 From the reestablished cor. of secs. 5, 6, 31 and 32, on the N. bdy. of Tp., hereinbefore described, S.0°2'E. on a true line, along the W. bdy. of sec. 5. Over slightly rolling land, through scattering undergrowth. (40.00 northing from the reestablished cor. of secs. 5 and 8, hereinafter described.) Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 5, marked on brass cap

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

1920

Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.

40.10 Intersect the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 6, which is a redwood post, 4 ins. square, set by the United States Reclamation Service, and appropriately marked. I alter the markings on the post to refer to sec. 6 only. Alongside

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 6, marked on brass cap

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

1920

Resurvey of part of the Subdivision lines of Fractional T. 11 S., R. 24 W.

Chains.

78.21

Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.

Thence S.0°44'E. on a true line, continuing measurement. (A point due West of the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of Tp.) Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 5 and 8, marked on brass cap

	T11S	
	S 5	
S 6	S 8	CC
	R24W	
	1920	

Dig pits, 18 X 18 X 12 ins., on each line, N., S. and E. of post, 3 ft. dist.

Land, slightly rolling.

Soil, sandy loam, 2nd rate.

No timber.

Undergrowth, greasewood.

2.10

S.0°44'E. on a true line, along the W. bdy. of sec. 8. Over nearly level land, through scattering undergrowth. (40.21 chs. S.0°44'E. of the reestablished $\frac{1}{4}$ sec. cor. of sec. 6) Intersect the cor. of secs. 5, 6, 7 and 8, which is a redwood post, 4 ins. square, set by the United States Reclamation Service, and appropriately marked. I alter the markings on the post to refer to secs. 6 and 7 only. Alongside

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

	T11S	
	S 6	
	S 7	S 8
	R24W	
	1920	

Dig pits, 18 X 18 X 12 ins., in each sec., SW. and NW. of post, 3 ft. dist.

39.91

Thence S.0°1'E. on a true line, continuing measurement. (Mid-point) Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 8, marked on brass cap

	$\frac{1}{4}$ S 8	
	1920	

Dig pits, 18 X 18 X 12 ins., N. and S. of post 3 ft. dist.

42.22

(40.12 chs. S.0°1'E. of the reestablished cor. of secs. 6 and 7.) Intersect the $\frac{1}{4}$ sec. cor. bet. secs. 7 and 8, which is a redwood post, 4 ins. square, set by the United States Reclamation Service, and appropriately marked. I alter the markings on this post to refer to sec. 7 only.

Alongside set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 7, marked on brass cap

	$\frac{1}{4}$ S 7	
	1920	

Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.

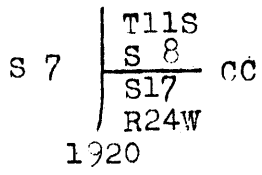
79.81

Thence S.0°2'E. on a true line, continuing measurement. (A point due West of the cor. of secs. 8, 9, 16 and 17, hereinafter described.)

Resurvey of part of the Subdivision lines of Fractional T. 11 S., R. 24 W.

Chains

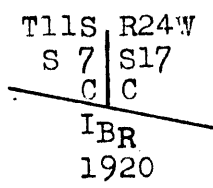
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 8 and 17, marked on brass cap



Dig pits, 18 X 18 X 12 ins., on each line, N., S. and E. of post; 3 ft. dist.
Land, nearly level.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood.

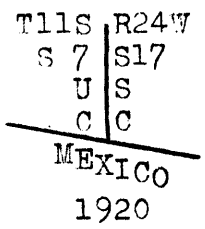
21.73

S.0°2'E. on a true line, along w. bdy. of sec. 17. Over nearly level land, through scattering undergrowth. Intersect 60 ft. International Boundary Reserve, which hrs. N.70°28'W. and S.70°28'E. At the point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for Boundary Reserve Closing cor. of fractional secs. 7 and 17, marked on brass cap



22.70

Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist. (60.30 chs. S.0°2'E. of the reestablished 1/4 sec. cor. of sec. 7.) Intersect the closing cor. of secs. 7 and 17, which is a redwood post, 4 ins. square, set by the United States Reclamation Service, and appropriately marked. Alongside, and at a point 71.80 chs. N.70°28'W. of International Boundary Monument No. 203, Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for reestablished closing cor. of fractional secs. 7 and 17, marked on brass cap



Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist. Land, nearly level; drains SW. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood. International Boundary Monument No. 203 is similar in every way to Monument No. 198, described in Book "E".

Boundaries of that Part of Fractional T. 11 S., R. 24 W.
 surveyed under this group.
 Latitudes, departures and closing errors.

Line designated.	True bearing	Dist. chs.	Latitudes.		Departures.	
			N. chs.	S. chs.	E. chs.	W. chs.
International Boundary	N.70°23'W.	122.65	41.18			115.53
	N.70°26'W.	232.11	77.74			218.76
	N.70°28'W.	71.80	24.01			67.67
Subdivisional Boundary.	N.0° 2' W.	60.30	60.30			.04
	N.0° 1' W.	40.12	40.12			.01
	N.0° 44' W.	40.21	40.21			.51
	N.0° 2' W.	40.10	40.10			.02
North Boundary.	N.89°43'E.	40.26	.20		40.26	
	N.89°54'E.	40.30	.07		40.30	
	N.89°52'E.	40.16	.09		40.16	
	N.89°51'E.	40.16	.10		40.16	
	N.89°47'E.	40.14	.15		40.14	
	N.89°50'E.	40.14	.12		40.14	.10
	S.89°56'E.	160.96		.19	160.96	.10
East Boundary.	South	324.30		324.30		
Convergency					.19	
Totals			324.39	324.49	402.31	402.54
				324.39		402.31
Error in lat.					.10	
Error in dep.						.23

Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.

Chains.

- From the cor. of secs. 1, 2, 11 and 12, on the Sectional Correction Line, hereinafter described,
 W.0°1'W., on a random line, bet. secs. 1 and 2.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.70 Fall 2 lks. E. of the reestablished cor. of secs. 1 and 2,
 on the N. bdy. of Tp., hereinbefore described.
 Thence
 S.0°2'E., on a true line, bet. secs. 1 and 2.
 Over level land, through scattering undergrowth.
 38.70 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
- $$\begin{array}{c} \frac{1}{4} \\ \text{S } 2 \mid \text{S } 1 \\ 1920 \end{array}$$
- Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 78.70 The cor. of secs. 1, 2, 11 and 12.
 Land, level.
 Soil, sandy, 2nd and 3rd rate.
 No timber.
 Undergrowth, sagebrush and greasewood.

- From the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of
 Tp., described in Book "H",
 West on a Sectional Correction Line, bet. secs. 1 and 12.
 Over level land, through scattering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
- $$\begin{array}{c} \frac{1}{4} \text{ S } 1 \\ \text{S } 12 \\ 1920 \end{array}$$
- Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 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, marked on
 brass cap
- $$\begin{array}{c} \text{T11S R24W} \\ \text{S } 2 \mid \text{S } 1 \\ \text{S } 11 \mid \text{S } 12 \\ 1920 \end{array}$$
- Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW.
 and NW. of post, 3 ft. dist.
 Land, level.
 Soil, sandy, 2nd and 3rd rates.
 No timber.
 Undergrowth, greasewood and sagebrush.
 From this cor., a post 4 ins. square, marked A-11 on NE.
 and T-C-Sta on SW. face brs. S.24°25'W., 135 lks. dist.

- S.0°1'E. bet. secs. 11 and 12.
 Over level land, through scattering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
- $$\begin{array}{c} \frac{1}{4} \\ \text{S } 11 \mid \text{S } 12 \\ 1920 \end{array}$$
- Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 11, 12, 13 and 14, marked on
 brass cap

14

Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.

Chains.

$$\begin{array}{r} T11S R24W \\ \hline S11 | S12 \\ \hline S14 | S13 \\ 1920 \end{array}$$

Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist.
Land, level.
Soil, sandy, 2nd and 3rd rates.
No timber.
Undergrowth, sagebrush and greasewood.

40.00 East on a random line, bet. secs. 12 and 13.
Set temp. $\frac{1}{4}$ sec. cor.
80.00 Intersect the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of Tn., described in Book "H".
Thence
40.00 West on a true line, bet. secs. 12 and 13.
Over level land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} S12 \\ \hline S13 \\ 1920 \end{array}$$

80.00 Dig pits, 18 X 18 X 12 ins., E. and W. of post 3 ft. dist.
The cor. of secs. 11, 12, 13 and 14.
Land, level.
Soil, sandy, 2nd and 3rd rates.
No timber.
Undergrowth, greasewood and sagebrush.

40.00 S.0°1'E., bet. secs. 13 and 14.
Over nearly level land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} \\ \hline S14 | S13 \\ \hline 1920 \end{array}$$

80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap

$$\begin{array}{r} T11S R24W \\ \hline S14 | S13 \\ \hline S23 | S24 \\ 1920 \end{array}$$

Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist.
Land, nearly level.
Soil, sandy, 2nd and 3rd rates.
No timber.
Undergrowth, greasewood and sagebrush.

40.00 East on a random line, bet. secs. 13 and 24.
Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of Tn., described in Book "H".

Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.

- Chains Thence
 Weston a true line, bet. secs. 13 and 24.
 Over nearly level land, through scattering undergrowth.
 39.98 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{c} \frac{1}{4} S13 \\ \hline S24 \\ 1920 \end{array}$$
 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.
- 79.96 The cor. of secs. 13, 14, 23 and 24.
 Land, nearly level. Soil, sandy, 2nd and 3rd rates.
 No timber. Undergrowth, sagebrush and greasewood.
-
- 40.00 S.0°1'E. bet. secs. 23 and 24.
 Over nearly level land, through scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{c} \frac{1}{4} \\ S23 | S24 \\ \hline 1920 \end{array}$$
 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.
- 56.13 Intersect 60 ft. International Boundary Reserve, which
 brs. N.70°23'W. and S.70°23'E.
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., 24 ins. in the ground, for Boundary Reserve
 closing cor. of fractional secs. 23 and 24, marked on
 brass cap

$$\begin{array}{c} T11S R24W \\ S23 | S24 \\ \hline C C \\ \hline IBR \\ 1920 \end{array}$$
 Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
- 57.10 Intersect the International Boundary between United States
 and Mexico, 37.70 chs. S.70°23'E. of International
 Boundary Monument No. 202, which is similar to Monument
 No. 198, described in Book "E".
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., 24 ins. in the ground, for closing cor. of
 fractional secs. 23 and 24, marked on brass cap

$$\begin{array}{c} T11S R24W \\ S23 | S24 \\ U S \\ \hline C C \\ \hline MEXICO \\ 1920 \end{array}$$
 Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
 Land, nearly level. Soil, sandy, 2nd and 3rd rates.
 No timber. Undergrowth, greasewood and sagebrush.
-
- 13.18 From the cor. of secs. 19, 24, 25 and 30, on the E. bdy.
 of Tp., described in book "H"
 West on a true line, bet. secs. 24 and 25.
 Over nearly level land, through scattering undergrowth.
 Intersect 60 ft. International Boundary Reserve, which
 brs. N.70°23'W. and S.70°23'E.
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., 26 ins. in the ground, for Boundary Reserve
 closing cor. of fractional secs. 24 and 25, marked on
 brass cap

$$\begin{array}{c} T11S R24W \\ C S24 \\ \hline IBR \\ \hline C S25 \\ 1920 \end{array}$$
 Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
- 15.89 Intersect the International Boundary between United States
 and Mexico, 105.78 chs. S.70°23'E. of International
 Boundary Monument No. 202, hereinbefore described.
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., 24 ins. in the ground, for closing cor. of
 fractional secs. 24 and 25, marked on brass cap

Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.

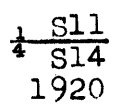
Chains.	<p style="text-align: center;"> T11S R24W C U S24 MEXICO S S25 1920 </p> <p>Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist. Land, nearly level. Soil, sandy, 2nd and 3rd rates. No timber. Undergrowth, greasewood and sagebrush.</p>
40.00	From the cor. of secs. 2, 3, 10 and 11, on the Sectional Correction Line, hereinafter described, N.0°2'W. on a random line, bet. secs. 2 and 3.
78.94	Set temp. $\frac{1}{4}$ sec. cor. Fall 2 lks. W. of the reestablished cor. of secs. 2 and 3, on the N. bdy. of Tp., hereinbefore described. Thence
38.94	S.0°1'E. on a true line, bet. secs. 2 and 3. Over level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
78.94	$\begin{array}{c} \frac{1}{4} \\ S\ 3\ S\ 2 \\ 1920 \end{array}$ <p>Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.</p> <p>The cor. of secs. 2, 3, 10 and 11. Land, level. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood.</p>
40.00	From the cor. of secs. 1, 2, 11 and 12, West on Sectional Correction Line, bet. secs. 2 and 11. Over level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
80.00	$\begin{array}{c} \frac{1}{4} \\ S\ 2 \\ S11 \\ 1920 \end{array}$ <p>Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked on brass cap</p>
	$\begin{array}{c} T11S\ R24W \\ S\ 3\ S\ 2 \\ \hline S10\ S11 \\ 1920 \end{array}$ <p>Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist. Land, level. Soil, sandy loam, 2nd and 3rd rates. No timber. Undergrowth, greasewood and sagebrush.</p>
40.00	S.0°1'E. bet. secs. 10 and 11. Over nearly level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
80.00	$\begin{array}{c} \frac{1}{4} \\ S10\ S11 \\ 1920 \end{array}$ <p>Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked on brass cap</p>
	$\begin{array}{c} T11S\ R24W \\ S10\ S11 \\ \hline S15\ S14 \\ 1920 \end{array}$

Survey of the Completion of Subdivision of Fractional T. 11 S., R. 24 W

Chains.

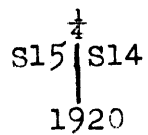
Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist.
 Land, nearly level.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood and sagebrush.

40.00 East on a random line bet. secs. 11 and 14.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. and S. line, 2 lkw. W. of the cor. of secs. 11, 12, 13 and 14.
 Thence
 N.89°59'W., on a true line, bet. secs. 11 and 14.
 39.99 Over level land, through scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

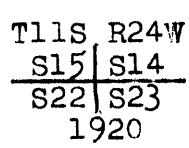


79.98 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 The cor. of secs. 10, 11, 14 and 15.
 Land, level.
 Soil, sandy, 2nd and 3rd rates.
 No timber.
 Undergrowth, greasewood and sagebrush.

40.00 S.0°1'E., bet. secs. 14 and 15.
 Over level land, through scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on brass cap



Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist.
 Land, level.
 Soil, sandy, 2nd and 3rd rates.
 No timber.
 Undergrowth, sagebrush and greasewood.

40.00 S.89°59'E., on a random line, bet. secs. 14 and 23.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect the cor. of secs. 13, 14, 23 and 24;
 Thence
 N.89°59'W. on a true line, bet. secs. 14 and 23.
 Over nearly level land, through scattering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked on brass cap

Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.

Chains.

$$\frac{1}{4} \begin{array}{l} S14 \\ S23 \end{array}$$
 1920

80.00 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
The cor. of secs. 14, 15, 22 and 23.
Land, nearly level.
Soil, sandy, 2nd and 3rd rates.
No timber.
Undergrowth, greasewood and sagebrush.

27.63 S.0°1'E., bet. secs. 22 and 23.
Over nearly level land, through scattering undergrowth.
Intersect 60 ft. International Boundary Reserve, which
brs. N.70°26'W. and S.70°26'W.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for Boundary Reserve closing cor. of fractional
secs. 22 and 23, marked on brass cap

$$\begin{array}{c} T11S R24W \\ S22 | S23 \\ \hline C | C \\ \hline IBR \\ 1920 \end{array}$$

28.60 Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
Intersect the International Boundary between United States
and Mexico, 47.26 chs. N.70°26'W. of International
Boundary Monument No. 202, hereinbefore described.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for closing cor. of fractional secs. 22 and 23,
marked on brass cap

$$\begin{array}{c} T11S R24W \\ S22 | S23 \\ \hline U | S \\ \hline C | C \\ \hline MEXICO \\ 1920 \end{array}$$

Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
Land, nearly level.
Soil, sandy, 2nd and 3rd rates.
No timber.
Undergrowth, greasewood and sagebrush.

40.00 From the cor. of secs. 3, 4, 9 and 10, on the Sectional
Correction Line, hereinafter described,
N.0°21'W., on a random line, bet. secs. 3 and 4.
78.64 Set temp. $\frac{1}{4}$ sec. cor.
Intersect the reestablished cor. of secs. 3 and 4, on the
N. bdy. of Tp., hereinbefore described.
Thence
38.64 S.0°2'E., on a true line, bet. secs. 3 and 4.
Over level land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

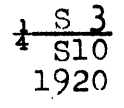
$$\frac{1}{4} \begin{array}{l} S 4 | S 3 \end{array}$$
 1920

Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.

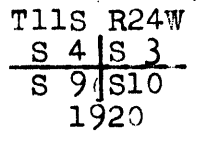
Chains

78.64 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 The cor. of secs. 3, 4, 9 and 10.
 Land, level; drains W.
 Soil, slightly stony, 3rd rate.
 No timber.
 Undergrowth, greasewood 4 ft. high.

40.00 From the cor. of secs. 2, 3, 10 and 11, on Sectional Correction Line,
 West on Sectional Correction Line, bet. secs. 3 and 10.
 Over gently rolling land, through scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

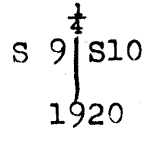


80.00 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked on brass cap

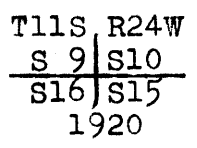


Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist.
 Land, nearly level.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood.

40.00 S.0°2'E., bet. secs. 9 and 10.
 Over level land, through scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs: 9, 10, 15 and 16, marked on brass cap



Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist.
 Land, level.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, scattering greasewood.

40.00 East on a random line, bet. secs. 10 and 15.
 Set temp. $\frac{1}{4}$ sec. cor.

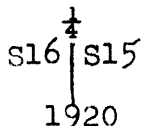
Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.

Chains.
 80.06 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 10, 11, 14 and 15.
 Thence
 S.89°57'W., on a true line, bet. secs. 10 and 15.
 Over nearly level land, through scattering undergrowth.
 40.03 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

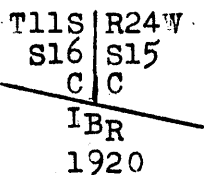
$$\begin{array}{c} \frac{1}{4} S10 \\ \frac{1}{4} S15 \\ \hline 1920 \end{array}$$

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
 80.06 The cor. of secs. 9, 10, 15 and 16.
 Land, nearly level; drains W.
 Soil, sandy, 2nd rate.
 No timber.
 Undergrowth, greasewood and sagebrush.

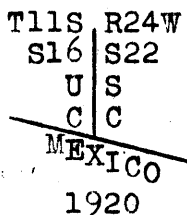
40.00 S.0°2'E., bet. secs. 15 and 16.
 Over slightly rolling land, through medium undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 79.11 Intersect 60 ft. International Boundary Reserve, which brs. N.70°26'W. and S.70°26'E.
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for Boundary Reserve closing cor. of fractional secs. 15 and 16, marked on brass cap



Dig pits, 18 X 18 X 12 ins. on each line, 3 ft. dist.
~~True point for cor. of secs. 15 & 22 in Boundary Reserve.~~
 80.08 Intersect the International Boundary between United States and Mexico, 132.35 chs. N.70°26'W. of International Boundary Monument No. 202, hereinbefore described.
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fractional secs. 16 and 22, marked on brass cap



Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
 Land, slightly rolling; drains SW.
 Soil, sandy, 2nd rate.
 No timber.
 Undergrowth, sagebrush and greasewood.

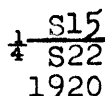
From the cor. of secs. 14, 15, 22 and 23, a

Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.

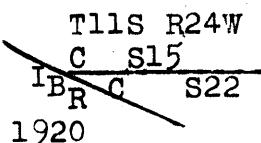
Chains.

flag at the true point for cor. of secs. 15, 16, 21 and 22, not set because it falls within the 60 ft. International Boundary Reserve, brs. N.89°56'W.

40.00 N.89°56'W. on a true line, bet. fractional secs. 15 and 22. Over nearly level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



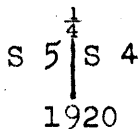
77.62 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist. Intersect 60 ft. International Boundary Reserve, which brs. N.70°26'W. and S.70°26'E. At the point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for Boundary Reserve closing cor. of fractional secs. 15 and 22, marked on brass cap



Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist. Land, nearly level. Soil, sandy, 2nd and 3rd rates. No timber. Undergrowth, sagebrush and greasewood.

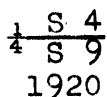
40.00 From the cor. of secs. 4, 5, 8 and 9, on Sectional Correction Line, hereinafter described, N.0°2'W. on a random line, bet. secs. 4 and 5. Set temp. 1/4 sec. cor. 78.42 Intersect the reestablished cor. of secs. 4 and 5, on the N. bdy. of Tp., hereinbefore described.

Thence S.0°2'E. on a true line, bet. secs. 4 and 5. Over level land, through scattering undergrowth. 38.42 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



78.42 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist. The cor. of sec. 4, 5, 8 and 9. Land, level. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood.

40.00 From the cor. of secs. 3, 4, 9 and 10, on Sectional Correction Line, West on Sectional Correction Line, bet. secs. 4 and 9. Over nearly level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.

Chains.

80.00 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked on brass cap

$$\begin{array}{r|l} \text{T11S, R24W} & \\ \hline \text{S 5} & \text{S 4} \\ \hline \text{S 8} & \text{S 9} \\ \hline & 1920 \end{array}$$

Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist.
Land, nearly level.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood.

40.00 West on Sectional Correction Line, bet. secs. 5 and 8. Over nearly level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \text{S 5} \\ \frac{1}{4} \text{ S 8} \\ 1920 \end{array}$$

81.72 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
The closing cor. of secs. 5 and 8, hereinbefore described.
Land, nearly level.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood.

40.00 From cor. of secs. 4, 5, 8 and 9. S.0°2'E. bet. secs. 8 and 9. Over nearly level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} \\ \text{S 8} \text{ S 9} \\ \hline 1920 \end{array}$$

80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap

$$\begin{array}{r|l} \text{T11S, R24W} & \\ \hline \text{S 8} & \text{S 9} \\ \hline \text{S17} & \text{S16} \\ \hline & 1920 \end{array}$$

Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist.
Land, nearly level; drains W.
Soil, sandy and slightly stony, 3rd rate.
No timber.
Undergrowth, greasewood 4 ft. high.
Scattering growth of Indian Wheat.

Flag at the cor. of secs. 9, 10, 15 and 16 being plainly visible, I project line for same from last sec. cor.

Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.

Chains.

40.00 N.89°59'E. on a random line, bet. secs. 9 and 16.
 Set temp. 1/4 sec. cor.
 80.04 Intersect the cor. of secs. 9, 10, 15 and 16.
 Thence
 S.89°59'W. on a true line, bet. secs. 9 and 16.
 Over level land, through scattering undergrowth.
 40.02 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for 1/4 sec. cor., marked on brass cap

$$\frac{1}{4} \frac{S \ 9}{S16}$$

1920

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.

80.04 The cor. of secs. 8, 9, 16 and 17.
 Land, level, drains W.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood 5 ft. high.

40.00 West on a true line, bet. secs. 8 and 17.
 Over nearly level land, through scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
 ground, for 1/4 sec. cor., marked on brass cap

$$\frac{1}{4} \frac{S \ 8}{S17}$$

1920

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.

81.69 The closing cor. of secs. 8 and 17, hereinbefore described.
 Land, nearly level; drains W.
 Soil, sandy, 3rd rate.
 No timber.
 Undergrowth, greasewood.

40.00 **From cor. of secs. 8, 9, 16 and 17**
 S.0°2'E. bet. secs. 16 and 17.
 Over nearly level land, through scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for 1/4 sec. cor., marked on brass cap

$$\frac{1}{4} \frac{S17 \ S16}{1920}$$

Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.

50.63 Intersect 60 ft. International Boundary Reserve, which
 brs. N.70°26'W. and S.70°26'E.
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for Boundary Reserve closing cor. of fractional
 secs. 16 and 17, marked on brass cap

$$\frac{T11S \ R24W}{S17 \ S16}$$

$$\frac{C \ C}{IBR}$$

1920

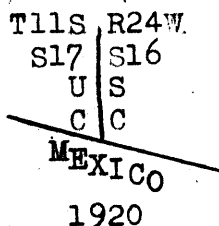
51.60 Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
 Intersect the International Boundary between United States
 and Mexico, 217.26 chs. N.70°26'W. of International
 Boundary Monument No. 202, and 13.85 chs. S.70°26'E.

Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.

Chains.

of International Boundary Monument No. 203, hereinbefore described.

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



Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
Land, nearly level; drains W.
Soil, 3rd rate.
No timber.
Undergrowth, greasewood.

FINAL TEST OF INSTRUMENTS.

April 5, 1920, at the cor. of secs. 20, 2a, 28 and 29, T. 9 S., R. 24 W., G. and S. R. B. and M., Arizona, in lat. $32^{\circ}37'N.$, long. $114^{\circ}44\frac{1}{2}'W.$, examine the adjustments of the instruments and correct all errors; then, to test the solar apparatus, by comparing their indications with the true meridian established by observation on Polaris, proceed as follows:

At the above described station at 8 hrs. 0 m., a.m., by watch, which is correct with local mean time, make an hour angle observation on Polaris, east of the meridian, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg, driven firmly in the ground, 5 chs. N.

L.m.t. of observation, mean of four readings, 8 h. 0 m. a.m.

Lay off the azimuth of Polaris, $1^{\circ}15\frac{1}{2}'$ to the west, and mark the meridian thus determined, by a tack in a peg driven firmly in the ground, 5 chs. N.

At 8 hr. 10 m., a.m., l.m.t., set off $32^{\circ}37'N.$ on the lat. arcs $6^{\circ}08'N.$ on the decl. arcs, and determine a meridian with each solar, which is found to agree with the true meridian.

At 4 hr. p.m., l.m.t., with the lat. arcs unchanged, set off $6^{\circ}09'N.$ on the decl. arcs; and determine a meridian with each solar, which in each case is found to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1'30''$ of the true meridian, conclude that the adjustments of the instruments have been satisfactory throughout the survey of this fractional Tp.

GENERAL DESCRIPTION.

This fractional Tp. consists of nearly level, sandy and sandy loam land, 2nd and 3rd rates, draining westerly and southwesterly into the Colorado River, covered with a scattering growth of waist high greasewood and stunted sagebrush. A sparse growth of Indian wheat and galletta grass makes grazing possible. There are no settlers in the township, nor has any water been developed. There are no indications of mineral.

26 BOOK 8456

TEMPORARY CERTIFICATE OF UNITED STATES TRANSITMAN.

I, William D. Wilson, Temporary U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 95, Arizona bearing date of the 10th day of March, 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, surveyed all those parts or portions of the

Subdivision Lines of

Fractional Township 11 South, Range 24 West

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 1 hereof as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 95, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place, Parkland, Wash. William D. Wilson Temporary U.S. Transitman Date, Aug. 15, 1921

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.

28
BOOK 3456

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER.

I, William H. Thorn, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 95, Arizona bearing date of the 10th day of March, 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, ^{RESURVEYED} ~~and~~ all those parts or portions of the
North boundary and Subdivision Lines
and surveyed all those parts or portions of the
Subdivision Lines of
Fractional Township 11 South, Range 24 West
of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes ^{and by diagram on page 1 hereof} 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 U. S. Surveyor General, for Group 95, 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.

Place, Phoenix Ariz
Date, July 16 1921

William H. Thorn
U.S. Cadastral Engineer, Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona Aug. 20 1921.

The foregoing field notes of the resurvey of Part of the North Boundary and
Part of the Subdivision Lines
and of the survey of
Part of the Subdivision Lines of
Fractional Township 11 South, Range 24 West
of the Gila and Salt River Base and Meridian, in the State of Arizona
executed by William H. Thorn, U.S. Cadastral Engineer
and William D. Wilson, Temporary U.S. Transitman

under special instructions dated March 10, 1919 for Group 95, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~surveys~~ ^{resurveys and surveys} they describe, are hereby approved.

General G. P. 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.~~