BOOK 3456

AUG 49.1821

# FIELD NOTES

OF THE RESURMEY OF

Part of the North Boundary
and
Part of the Subdivision Lines
AND OF THE SURVEY OF
Part of the Subdivion Lines
of
- Fractional Township 11 South, Range 24 West
Of the Gila and Salt River Base and Meridian,
In the State ofArizona
EXECUTED BY
William H. Thorn, U.S. Cadastral Engineer
and
William D. Wilson, Temporary U.S. Transitman
In the capacity of U.S. Surveyor 5, 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 , 1920. 6-151

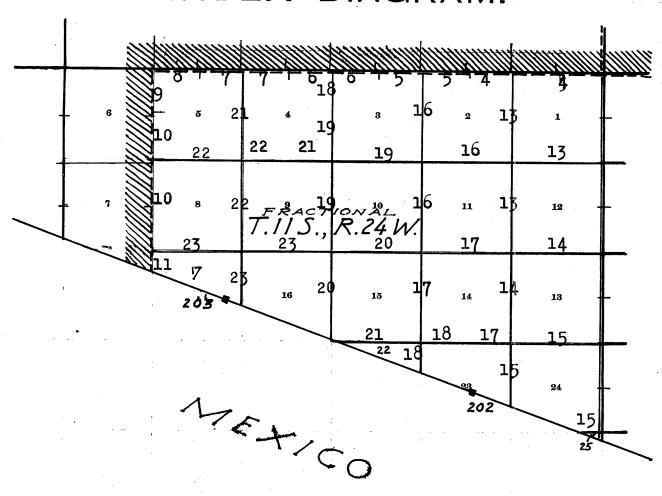
BOOK 3456

Book "I"

Group 95 - - Arizona.

Township 11 South, Range 24 West.

## INDEX DIAGRAM.



Lines	surveyed	und	er th	is grou	ıp.
 Lines	resurvey	ed u	nder	this gr	coup.
Accept	ed survey	8.			
Areas	surveyed	9.8 TO	er ac	cepted	plate

Book "I"

Group 95 - - - - - Arizona.

Fractional Township 11 South, Range 24 West.

### ·DATE· ·DIAGRAM·

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		2. RESURV. 3-31-20	8 -1-4	4-1-20 4-1-20	10 T- 4 4- I-20	1 - 20 4 - 1 - 20	12 3-31-20	survey of th.
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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°29'N., long. 114°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°29'N. on the lat. arcs; 3°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°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°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 Tractional 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 loosts, which are the cors. hereinafter described. RETRACEMENT FOR RESURVEY. 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.  $36(E_{\frac{1}{2}})$ Fall 5 lks. S. of the 1 sec. cor., preserved as herein-40.28 after described.

The true course and distance of this half mile are therefore N.89°56'W., 40.28 chs.

40.28

From the  $\frac{1}{4}$  sec. cor., West on retracement, along the 5. bdy. of sec.  $36(W.\frac{1}{2})$  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. 6f sec. 35(E 2) Fall 5 lks. S. of the tsec. 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  $\frac{1}{4}$  sec. cor., West on retracement, along the S. bdy. of sec.  $35(W_{\frac{1}{2}})$  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, a ong the S. bdy. of sec.  $34(E^{\frac{1}{2}})$ Fall 12 lks. N. of the  $\frac{1}{4}$  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  $\frac{1}{4}$  sec. cor., West on retracement, along the S. bdy. of sec.  $34(W.\frac{1}{2})$  Fall15 lks. N. of the cor. of secs. 3, 4, 33 and 34, preserved as hereinafter described, The true course andddistance of this half mile are therefore S.89°47'W., 40.14 chs.

From the cor. of secs. 3, 4, 33 and 34, West on retracement, along the S. bdy. of sec. 33  $(E^{\frac{1}{2}})$ Fall 10 lks. N. of the + sec. cor., preserved as herein-40.16 after described.

The true course and distance of this half mile are therefore S.89°51'W., 40.16 chs.

40.16

From the  $\frac{1}{4}$  sec. cor., West on retracement, along the S. bdy. of sec.  $33(W_2^{\frac{1}{2}})$ . 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 mide are there fore S.89°52'W., 40.16 chs.

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

a Part of the North Boundary of Fractional T. 11 S., Chains. From the  $\frac{1}{4}$  sec. cor., West on retracement, along the S. bdy. of sec.  $32(W.\frac{1}{2})$  Tall 20 lks. N. of the cor. of secs. 5, 6, 31 and 32, 40.26 preserved as hereinafter described. The true course and distance of this half mile are therefore S.89°43'W. 40.26 chs. RESURVEY 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. 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., 40.00 R. 24 W., marked on brass cap <sup>1</sup> S 1 1920 Pig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. 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 40.28 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 <u>\$36</u> 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 reestablished cor. of secs. 1 and 2, T. 11 8., R. 24 W., marked on brass cap T10S R24W **s**36 S 2 S 1 T115 R24W 1920 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.

0.56

N.89°56'W. on a true line, along the N. bdy. of sec. 2. Over nearly level land, through scattering low undergrowth. (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. Alongside

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

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. 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 Tlls 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.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished \( \frac{1}{2} \) sec. cor. of sec. 2,

40.00

 $\bar{T}$ . 11 S., R. 24 W., marked on brass cap

<del></del>
‡
\$2
1920

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

40.76

Chains.

(40.20 chs. N.89°56'W. of the reestablished cor. of secs. 35 and 36, T. 10 S., R. 24 W.) Intersect the ½ 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 4 sec. cor. of sec. 35, T. 10 S., R. 24 W., marked on brass cap

### <u></u>₽835

#### 1920

Dig pits, 18 X 18 X 12 ins., E. and W. of post, dist. Alter the markings on redwood post to refer to sec. 35 only. 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 \$35 \$ 3 | \$ 2 T115 | 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

 $N.89^{\circ}56'W$ . 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. T10S R24W S34 S35 T115 R24W 1920 Dig pits, 18 X 18 X 12 ins., in each sec., NE. and NW. of post, 3 ft. dist. of post, 3 ft. dist.
Thence S.89°50'W., continuing measurement.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished 4 sec. cor. of sec. 3, T. 11 S., R. 24 W., marked on brass cap 40.00 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist. (40.14 chs. S.89°50'W. of the reestablished cor. of secs. 34 and 35, T. 10 S., R. 24 W.) Intersect the description cor. of secs. 3 and 34, which is a redwood post, 4 ins. 41.10 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 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 72 <u>4</u>834 1920 Dig pits, 18 X 18 x 12 ins., E. and W. of post, 3 ft. Thence S.89°47'W., on a true line, continuing measurement. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ි0.00 ground, for reestablished cor. of secs. 3 and 4, T. 11 S., R. 24 W., marked on brass cap Tlos R24W **S34** S 4 S T115 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 rocky, 3rd rate. No timber. Undergrowth, greasewood. S.89°47'W. on a true line, along the N. bdy. of sec. 4. Over nearly level land, through scattering undergrowth. (40.14 chs. S.89°47'W. of the reestablished  $\frac{1}{4}$  sec. cor. of 1.24 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 marking's to refer to secs. 33 and 34 only. Alongside
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 T10S R24W S33 S34

> T11S R24S 1920

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

Chains.

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

40.00

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 1 sec. cor. of sec. 4, T. 11 S., R. 24 W., marked on brass cap

1920

41.40

Dig pits,  $18 \times 18 \times 12$  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 4 sec. cor. of sec. 33, T. 10 S. R. 24 W., marked on brass cap

<u></u>₽833

1920

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

80.00

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 S33 S5|S4 T11S|R24W 1920

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

Undergrowth, greasewood.

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. Along-

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 S32 S33 S 5 Tlls 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. Chains. 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., 40.00 R. 24 W., marked on brass cap Dig pits, $18 \times 18 \times 12$ ins., E. and W. of post, 3 ft. dist. (40.20 chs. S.89.54 W. of the reestablished cor. of secs. 32 and 33, T. 10 S., R. 24 W.) Intersect the ½ seccor. of secs. 5 and 32, which is a redwood post, 4 ins. square, 30 ins. above ground, set by the United States 41.86 Reclamation Service and appropriately marked. I alter the markings to refer to sec. 32 only. Alongside Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for reestablished 4 sec. cor. of sec. 32, T. 10 S. R. 24 W., marked on brass cap ±332 1920 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist. 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 82.12 Reclamation Service, and appropriately marked. Along side 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 T105 R24W S34 S32 s 6 s 5 Tils 1920 Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist. Land, slightly rolling; drains NW. , sandy, slightly rocky, 3rd rate. No timber. Undergrowth, greasewood and sagebrush.

EGOK 3456 R. 24 W.

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

Chains

40.10

40.21

40.12

60.30

38.21

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.

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.

From the ½ sec. cor.,
South on retracement, along the E. bdy. of sec. 6(5½)
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.

From the cor. of secs. 5, 6, 7 and 8, South on retracement, along the E. bdy. of sec. 7(N.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.

From the  $\frac{1}{4}$  sec. cor., South on retracement, along the E. bdy. of sec.  $7(5\frac{1}{2})$  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.

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 4 sec. cor. of sec. 5, marked on brass cap

1920

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

Intersect the \$\frac{1}{2}\$ 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

1920

3,38

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

Chains.

Dig pits,  $18 \times 18 \times 12$  ins., N. and S. of post, 3 ft. dist.

78.21

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

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 ½ 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

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

T11S S 6 S 7 R24W

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

39.91

Thence S.O°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 4 sec. cor. of sec. 8, marked on brass cap

₫S 8

dist.

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

42.22

(40.12 chs. S.0°l'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

Dig pits, 18 X 18 X 12 ins., M. 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 bost, 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 brs. M.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 \(\frac{1}{4}\) 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 Y 12 ins., on each line, 3 ft. dist. Land, nearly level; drains SW. Soil, sandy loam, 2nd rate. No timber.

Undergrowth, gressewood.

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. 24w. surveyed under this group.

	Latitudes, d	epartur	es and	closing	errors	
	•		Lati	tudes.		rtures.
Iine designated.	True bearing			S.	E.	17.
International Boundary	M.70°23'W. M.70°26'W. M.70°28'W.	chs. 122.65 232.11 71.80	41.18 77.74		chs.	chs. 115.53 218.76 67.67
Subdivisional Boundary.	N.0° 2' W. N.0° 1' W. N.0° 44'W. M.0° 2' W.	60.30 40.12 40.21 40.10	40.12			.04 .01 .51
North B <b>o</b> undary.	N.89°43'E N.89°54'E. N.89°52'E. N.89°51'E. N.89°47'E. N.89°50'E. S.89°56'E.	40.26 40.30 40.16 40.16 40.14 40.14 160.96	.07 .09 .10 .15	.19	40.26 40.30 40.16 40.16 40.14 40.14 160.96	.10
East Boundary.	South	324:30	t	324.30		
Convergency					.19	·
Totals			324.39	324.49 324.39	402.31	402.54 402.31
Error in lat.				.10		-
Error in dep.						.23

13

```
Survey of Completion of Subdivision of Tractional T. 11 S.,
  Chains.
            From the cor. of secs. 1, 2, 11 and 12, on the Sectional
              Correction line, hereinafter described,
            N.0°1'W., on a random line, bet. secs. 1 and 2. Set temp. \frac{1}{4} sec. cor.
   40.00
            Fall 2 lks. E. of the reestablished cor. of secs. 1 and 2,
   78.70
             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.
           Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
   38.70
               ground, for \frac{1}{4} sec. cor., marked on brass cap
                                     S = 2 \int S = 1
              Dig pits, 18 \times 18 \times 12 ins., N. and S. of post, 3 ft.
   78.70
            The cor. of secs. 1, 2, 11 and 12.
            Land, level.
            Soil, sandy, 2nd and 3rd rate.
            No timber.
            Undergrowth, sagebrush andgreasewood.
            From the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of To., described in Book "H",
            West on a Sectional Correction Line, bet secs. 1 and 12. Over level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
   40.00
               ground, for \frac{1}{4} sec. cor., marked on brass cap
                                       Dig pits, 18 \times 18 \times 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. 1, 2, 11 and 12, marked on
   80.00
               brass cap
                                      Tlls R24W
s 2 s 1
sll sl2
              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 ME.
               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. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
   40.00
               ground, for \( \frac{1}{4} \) sec. cor., marked on brass cap
                                      s11 s12
               Dig pits, 18 \times 18 \times 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. 11, 12, 13 and 14, marked on
    80.00
```

brass cap

Set temp.  $\frac{1}{4}$  sec. cor. Intersect the cor. of secs. 13, 18, 19 and 24, on the  $\mathbb{E}$ . 79.96 bdy. of To., described in Book "H".

```
of Completion of Subdivision of Fractional
Survey
             Thence
  Chains
             Weston a true line, bet. secs. 13 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
  39.98
                                                 S13
                                                 S24
                                                1920
                Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
                dist.
             The cor. of secs. 13, 14, 23 and 24.
  7 3.96
             Land, nearly level. Soil; sandy, 2nd and 3rd rates.
                               Undergrowth, sagebrush and greasewood.
             No timber.
             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
  40.00
                                             S23 S24
                                                1920
                Dig pits, 18 \times 18 \times 12 ins., N. and S. of post, 3 ft.
  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
                                             T11S R24W
S23 S24
C C
                                                 I_{BR}
                                                 1920
             Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist. Intersect the International Boundary between United States and Mexico, 37.70 chs. S.70°23'E. of International
  57.10
                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
                                             T11S R24W
S23 S24
U S
                                                 c c
                                                MEXICO
                                                 1920
             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.
             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.
  13.18
             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 Boundafy Reserve
                closing cor. of fractional secs. 24 and 25, marked on
                brass cap
                                          T11s R24W
                                                 S24
                                                       S25
                                  1920
             Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist. Intersect the International Boundary between United States and Mexico, 105.78 chs. S.70°23'E. of International
  15.89
                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

Ŀ		
Sur		Completion of Subdivision of Fractional T. 11 S., R. 24 W.
	Chains.	UTC U S24
		** S S S S S S S S S S S S S S S S S S
		1920
		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.
		From the cor. of secs. 2, 3, 10 and 11, on the Sectional
İ		Correction Line, hereinafter described, N.0°2'W. on a random line, bet. secs. 2 and 3.
	40.00	Set temp. $\frac{1}{4}$ sec. cor.
	78.94	Fall 2 lks. W. of the reestablished cor. of secs. 2 and 3, on the N. bdy. of Tp,, hereinbefore described.
		Thence
		S.0°1'E. on a true line, bet. secs. 2 and 3.
	3 <b>8.</b> 94	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
		s 3 s 2
		1920
		Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
	78.94	The cor. of secs. 2, 3, 10 and 11.
		Land, level. Soil, sandy loam, 2nd rate.
		No timber. Undergrowth, greasewood.
	•	
		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.
	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
		1 S 2 4 S11
		. 1920 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
,	0	dist.
	80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked on
		brass cap
		Tlls R24W S 3 S 2
		S10   S11
		1920 Dig Dits, 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.
	•	G 001177 1 4
	n.	S.0°1'E. bet. secs. 10 and 11. 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
,		sio sio
		Dig nits 18 V 18 V 12 ins W and S of next 2 ft
	er Till to	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. 10, 11, 14 and 15, marked on brass cap
		T11S, R24W
	•	S10 S11 S15 S14
		1920

Surv		ompletion of Subdivision of Fractional T. 11 S., R. 24 W.
	Chains.	1 S14 4 S23 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
		T11s R24W S22 S23 C  IBR  1920
	28.60	Dig pits, 18 % 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,
		Tlls R24W S22 S23 U C C  MEXICO 1920
		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 78.64	From the cor. of secs. 3, 4, 9 and 10, on the Sectional Correction Line, hereinafter described, N.0°21W., on a random line, bet. secs. 3 and 4. Set temp. \frac{1}{4} \text{ 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., onto true line, bet. secs. 3 and 4.  Over level land, through scattering undergrowth.  Set an iron post, 3 ft. long, l in. diam., 26 ins. in the ground, for \(\frac{1}{4}\) sec. cor., marked on brass cap
		s 4 s 3 1920

```
of Completion of Subdivision of Fractional T. 11 S., R. 24 W.
            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.
78.64
         Woil, slightly stony, 3rd rate.
         No timber.
         Undergrowth, greasewood 4 ft. high.
          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
40.00
           ground, for \frac{1}{4} sec. cor., marked on brass cap
            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
80.00
                                     T11S R24W
S 4 S 3
S 9 S10
1920
         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.
         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
40.00
            ground, for \frac{1}{2} sec. cor., marked on brass cap
                                     s 9 s10
            Dig pits, 18 X 18 ^{\rm 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
                                     T11S R24W
S 9 S10
                                      š16)s15
                                         1920
            Dig pits, 18 X 28 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.
```

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

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

40.00

	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.
40.03	Thence S.89°57'W., on a true line, bet. secs. 10 and 15. Over nearly level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ½ sec. cor., marked on brass cap
	\$\frac{1}{4} \frac{\si0}{\si15} \\ \tag{1920}
80.06	Dig Dits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.  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 $\frac{1}{4}$ S16 S15
79.11	Dig pits, 18 X 18 X 12 ins., N. and S. 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 16, marked on brass cap
80.00 80.08	Tills R24W S16 S15 CCC  IBR  1920  Dig pits, 18X 18 X 12 ins. on each line, 3 ft. dist.  True point, fdr cor. of secs. 15, 2022 in Boundary Reservet.  Intersect the International Boundary between United State 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
	Tils R24W S16 S22 U S C C  MEXICO 1920  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, 2 and 22, not set because it falls within the 60 ft. International Boundary Reserve, brs. N.89°56'W. 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 40.00 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap \$\frac{1}{4} \frac{\sqrt{15}}{\sqrt{20}} Dig pits,  $18 \times 18 \times 12$  ins.,  $\pi$ . and  $\Psi$ . of post, 3 ft. dist. Intersect 60 ft. International Boundary Reserve, which brs. N.70°26'W. and S.70°26'E. 77.62 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 Tlls R24W C S15 BR C S22 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. 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.  $\frac{1}{4}$  sec. cor. 40.00 Intersect the reestablished cor. of secs. 4 and 5, on the 78.42 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. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the 38.42 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap  $S = 5 \sqrt{S} + 4$ Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist. 78.42 The cor. of sec. 4, 5, 8 and 9. Land, level. Soil, sandy loam, 2nd rate. No timber. Undergrowth, greasewood. 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 40.00 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

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Survey of Completion of Subdivision of Fractional T. 11 S., R. 24 W.
    Chains.
                 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
               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
     80.00
                                           T11S R24W
S 5 S 4
S 8 S 9
                                               1920
                 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.
              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
     40.00
                 ground, for \frac{1}{4} sec. cor., marked on brass cap
                                            1 S 5
1 S 8
1920
                 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
                 dist.
     81.72
               The closing cor. of secs. 5 and 8, hereinbefore described.
              Land, nearly level.
               Soil, sandy loam, 2nd rate.
              No timber.
              Undergrowth, greasewood.
              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
     40.00
                 ground, for \frac{1}{4} sec. cor., marked on brass cap
                                          s 8 s 9
                 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
     80.00
              Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on
                 brass cap
                                          T11S R24W
S 8 S 9
                                            S17 | S16
                                               1920
              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. N.89.99 E. on a random line, bet. secs. 9 and 16. Set temp. $\frac{1}{4}$ sec. cor. 40.00 Intersect the cor. of secs. 9, 10, 15 and 16. 80.04 Thence S.89°59'W. on a true line, bet. secs. 9 and 16. Over level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ½ sec. cor., marked on brass cap 40.02 1 S 9 4 S16 1920 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist. The cor. of secs. 8, 9, 16 and 17. Land, level, drains W. Soil, sandy loam, 2nd rate. 80.04 No timber. Undergrowth, greasewood 5 ft. high. 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 40.00 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1 S 8 4 S17 1920 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist. The closing cor. of secs. 8 and 17, hereinbefore described. Land, nearly level; drains W. 81.69 Soil, sandy, 3rd rate. No timber. Undergrowth, greasewood. 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 40.00 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap s17 s16 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 T11S R24W S17 S16 $I_{B_{\mathbf{R}}}$

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

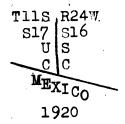
1920

### 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 A 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, 20, 28 and 29, T. 9 S., R. 24 W., G. and S. R. B. and M., Arizona, in lat. 32°37'N., long. 114°44½'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°15½' 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°37'N. on the lat. arcs, 6°08'N. on the decl. arcs, and determine a meridian with tach solar, which is found to agree with the true meridian.

At 4 hr. p.m., l.m.t., with the lat. arcsunchanged, set off 6°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 these 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.

ECCK# 3456

4--680

### FIELD ASSISTANTS. %

William D. Wilson	Temporary U.S. Transitman
NAMES.	CAPACITY.
William J. Tavenner	Ist Chainman
Peter Wilchinsky	2nd Chainman
Frank W. Owen	Cornerman
Arnold T. Jonson	Cornerman and Flagman.
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260K 3456

## CERTIFICATE OF UNITED STATES TRANSITMAN.

i, William D. Wilson, lemporary U.S. ranzitman, 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 Instruc-
tions, 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
and by diagram on page   hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of
said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-
tions, 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, Tarkland, Wash. Milliam D. Milson Temporary U.S. Transitman
Place, Tarkland, Mark. Milliam DMilson 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.
V. 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

20<sub>0K</sub> 5456

FIELD ASSISTANTS. Fo

William H. Tho	rn, U.S. Cadastral Engineer
NAMES.	CAPACITY.
Benjamin V. Kinsey	Ist Chainman
Homer Pepper	2nd Chainman
Manfred Owen	Cornerman.
Edward E. Wright	Axman.
Richard G. Imboden	Cornerman and Flagman
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### CERTIFICATE OF UNITED STATES CADASTRALBENGINEER.

I, William. H. Than, II. Scadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group J. Arizana	
bearing date of the 1011 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, in all those parts or portions of the North houndary and Subdivision Lines.  North houndary and Subdivision Lines.  In Subdivision Lines of the Subdivision Lines of the Subdivision Lines of the Gila and Salt Africance. Tewnship II South, Range 24 West of the Gila and Salt Africance of said resurrey and survey on survey.  Two 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 Arizana.  and in the special written instructions of the U.S. Surveyor General for Group 95 Arizana.  and in the special written instructions of the U.S. Surveyor General for Group 95 Arizana.  And in the special written instructions of the U.S. Surveyor General for Group 95 Arizana.  And in the special written instructions of the U.S. Surveyor General for Group 95 Arizana.  Approval.  OPPICE of THE UNITED STATES SURVEYOR GENERAL,  Phacipy Arizana. Aug. 20 1921  The foregoing field notes of the resurvey of Part of the North Boundary and Part of the Subdivision Lines of Fractional Jewnship II South, Sarge 214 West of the Gila and Salt River Base and Maridian, in the Salt of Arizana and William D. Wilson, Temporary U.S. Transilman.  under special instructions dated March 10, 1914, Fat Group 95, Arizana, having been critically evanined, and the necessary corrections and explanations made, the said field notes, and the measure they describe, archereby approved.  U.S. Surveyor General.  Group General.  Group General.  Legitly that the Longeoing transcript of the field notes of the abert described curvey in	I, William H. Thorn, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, "I all those parts or portions of the Nacth houndary and Subdivision Lines."  In the Subdivision Lines of the Subdivision Lines of the Subdivision Lines of the Gila and Salt.  Piver Base and Meridian, in the State of Acizana which are represented in the foregoing field notes as thing been executed by me, and under my direction; and that all the corners of said resurvey and survey.  Three been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special minter instructions of the U. S. Surveyor General, for Group J.S. Arizana.  and in the special manner described in the field notes, and that the foregoing are the original field notes of such resurvey, and survey.  Place, Malila Gr. 3  Date, July 16 19 2  APPROVAL.  Office of the United States of the resurvey of Part of the North Boundary and Part of the Subdivision Lines.  APPROVAL.  Pract of the Survey of Part of the North Boundary and Part of the Subdivision Lines.  Fractional Township II South, Pange 24 West.  Of the Gila and Salt Piver Base and Maridian, in the State of Anzana.  Executed by William H. Thorn, U.S. Cadastral Engineer and William D. Wilson, Temporary U.S. Transitionar.  under special instructions dated March 10, 1919 for Group 95, Acizana. having been critically examined, and the necessary corrections and explanations made, the said field notes, and the executive describe, are hereby approved.  U.S. Surveyor General.	of special instructions received from the U.S. Surveyor General, for Group 95, Arizona
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and surveyed all those parts in partiens of the  Subdivision Lines of  Fractional Tawaship II South, Range 24 West  of the Gila and Salt  River Base and Meridian, in the State of Arizana — 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.  The 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 J.S. Arizana — 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, Malika A.3  Date, July 16 19 2  APPROVAL.  OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  Placenty, Arizona Aug. 20 1921.  The foregoing field notes of the resurvey of Part of the North Boundary and —  Fart of the Subdivision Lines of fractional Tempship II South, Range 24 West.  of the Gila and Salt River Base and Meridian, in the State of Arizana.  executed by William H. Tharn, U. S. Cadastral Engineer.  and William D. Wilsan, Temparary U. S. Transilman.  under special instructions dated March 10, 1919 for Group J.S. Arizana, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, and hereby approved.  Factify that the foregoing transcript of the field notes of the above described surveys in the Vience of the part of the said field notes, and the surveys they describe, and hereby approved.	
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of the Gila and Salt  River Base and Meridian, in the State of Arizana , 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. Thereof The Base and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group J.S. Arizana 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, Phalita A.B.  Date, July 16 192  APPROVAL.  OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  Phaenix, Arizona, Aug. 20, 1921.  The foregoing field notes of the resurvey of Part of the North Boundary and Fact of the Subdivision Lines of fractional Termship II South, Gange 24 West of the Gila and Salt River Base and Meridian, in the State of Arizona executed by William II. Thorn, U. S. Cadastral Engineer and William D. Wilsan, Temporary U. S. Transitman.  Under special instructions dated March 10,1914 for Group J.S. Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the assessing they describe, are hereby approved.	
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Part of the Subdivision Lines of  Fractional Township II 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 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	u
Fractional Township II 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, Temperary U.S. Transitman  under special instructions dated March 10, 1919 for Group 9.5, 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.  I certify that the foregoing transcript of the field notes of the above described surveys in	
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