

3454

265
OR 16

"G"
4-679

BOOK 3454

1921

FIELD NOTES

OF THE SURVEY OF THE

West Boundary

and

Subdivision Lines of

Fractional Township 12 South, Range 22 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, 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.

Survey commenced March 11, 1920.

Survey completed March 16, 1920.

1A

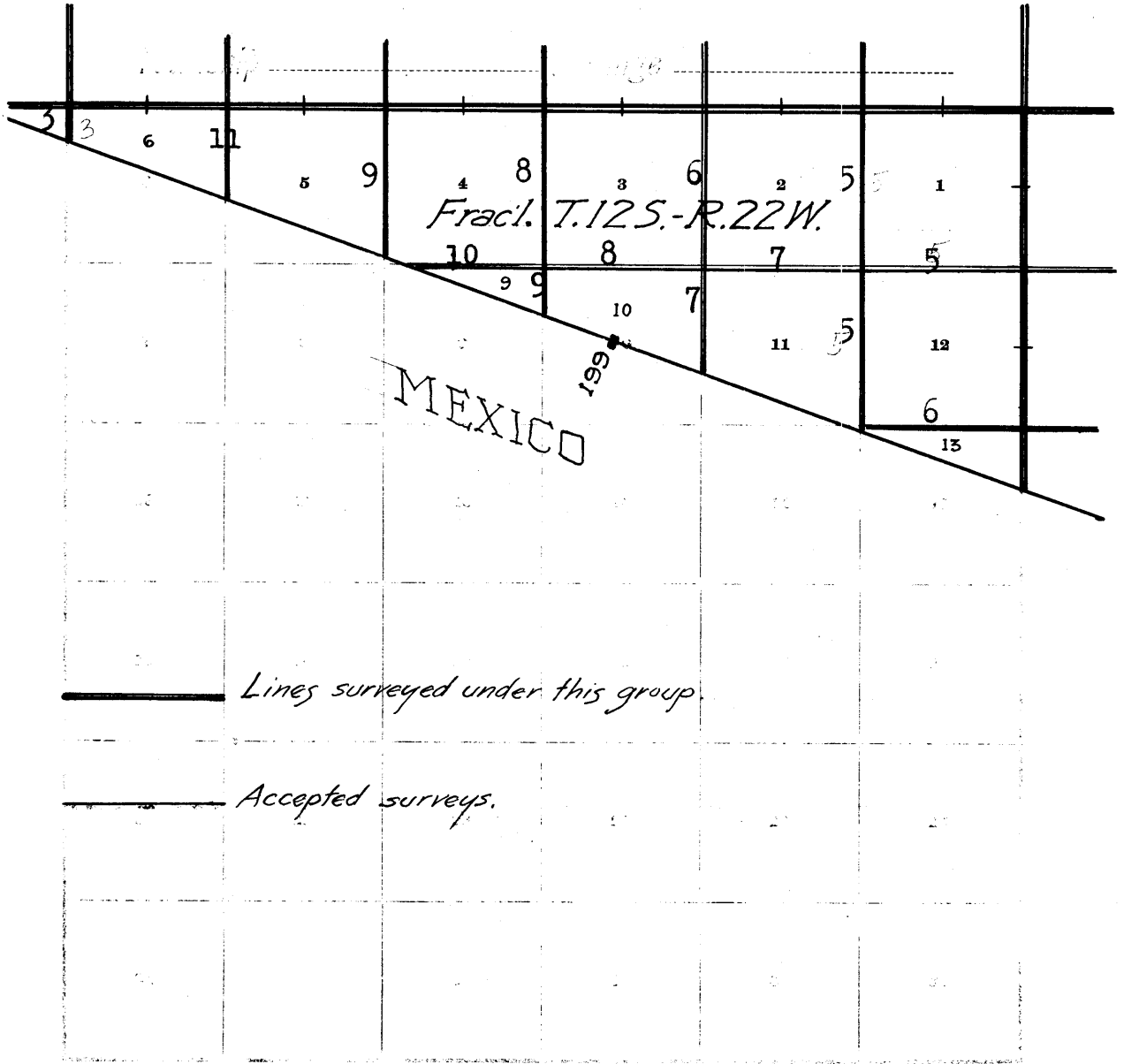
BOOK 3454

Book "G"

Group 95 - - - Arizona.

Fracl. Township 12 South, Range 22 West.

INDEX DIAGRAM.

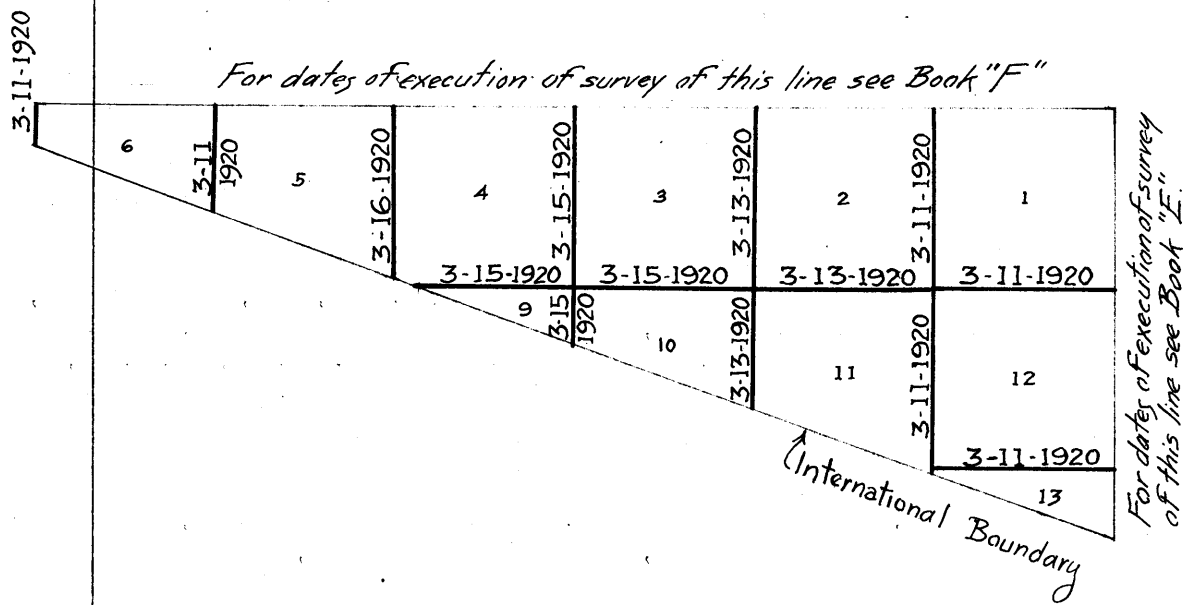


Lines surveyed under this group.

Accepted surveys.

Book "G"
 Group 95 - - - - - Arizona.
 Fracl. Township 12 South, Range 22 West.

>DATE ♦ DIAGRAM<



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.

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:

Test of Instrument No. 8148 by William D. Wilson.

March 6, 1920.

At our camp near the cor. of secs. 15, 16, 21 and 22, T. 11 S., R. 22 W., G. and S. R. B. and M., lat. $32^{\circ}27\frac{1}{2}'$ N. long. $114^{\circ}30\frac{1}{2}'$ W., at 8 hrs. 30.1 m. p.m., l.m.t., I observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack in a stake, firmly set in the ground, 5 chs. N. of my station.

March 7, 1920. At 8 hrs. 0 m., a.m., l.m.t., I lay off the Azimuth of Polaris, $1^{\circ}19\frac{1}{2}'$ to the E., and mark a point in the true meridian thus determined by a tack driven in a stake, firmly set in the ground, 5 chs. N. of my station.

At 9 hrs. 0 m., a.m., l.m.t., I set off $32^{\circ}27\frac{1}{2}'$ N. on the lat. arc; $5^{\circ}11'$ S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting declination is $5^{\circ}8\frac{1}{2}'$ S., which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arc unchanged, I set off $5^{\circ}5\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar, which 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, I conclude that the adjustments of the solar are satisfactory.

Test of Instrument 8592 by William H. Thorn.

March 9, 1920. Using the meridian determined as above described, at 9 hrs. 0 m., a.m., l.m.t., I set off $32^{\circ}27\frac{1}{2}'$ N. on the lat. arc; $4^{\circ}24\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting decl. is $4^{\circ}22'$ S. which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arc unchanged, I set off $4^{\circ}18\frac{1}{2}'$ S. on the decl. arc, and determine a meridian with the solar, which 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, I conclude that the adjustments of the solar are satisfactory.

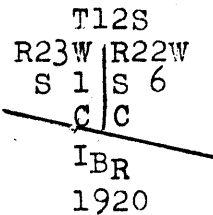
Survey of West Boundary of Fractional T. 12 S., R. 22 W.

Chains.

That part of the International Boundary between United States and Mexico, forming the South Boundary of Fractional T. 12 S., R. 22 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.

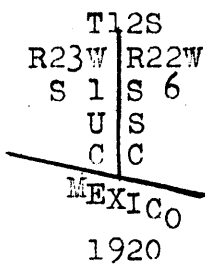
17.94

From the cor. of Ts. 11 and 12 S., Rs. 22 and 23 W., described in Book "F", South bet. secs. 1 and 6. Over nearly level land, through scattering undergrowth. Intersect 60 ft. International Boundary Reserve, which brs. N.70°20½'W. and S.70°20½'E. At the point of intersection, Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for Boundary Reserve Closing cor. of fractional secs. 1 and 6, marked on brass cap



18.91

Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist. Intersect the International Boundary between United States and Mexico, 291.50 chs. N.70°20½'W. of International Boundary Monument No. 199 and 84.18 chs. S.70°20½'E. of International Boundary Monument No. 200. These monuments are similar to Monument No. 197, described in Book "E". At the point of intersection, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for closing cor. of fractional Tps. 12 S., Rs. 22 and 23 W., 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, greasewood and sagebrush. Fair growth of galletta grass.

Boundaries of Fractional T. 12 S., R. 22 W.

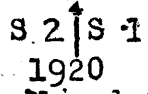
Latitudes; departures and closing errors.

| Line designated. | True bearing. | Dist. — chs. | Latitudes. | | Departures. | |
|----------------------------|---------------|-----------------|------------|------------|-------------|------------|
| | | | N. chs. | S. chs. | E. chs. | W. chs. |
| International Boundary. | N.70°20'W. | 216.23 | 72.77 | | | 203.62 |
| | N.70°20½'W. | 291.50 | 98.06 | | | 274.51 |
| West Boundary. | North. | 18.91 | 18.91 | | | |
| North Boundary. | S.89°59'E. | 477.86 | | .19 | 477.86 | |
| East Boundary. | South . | 189.75 | | 189.75 | | |
| Convergency. | | | | | .10 | |
| <u>Totals.</u> | | | 189.74 | 189.94 | 477.96 | 478.13 |
| | | | | 189.74 | | 477.96 |
| <u>Error in lat.</u> | | | | .20 | | |
| <u>Error in dep.</u> | | | | | | .17 |

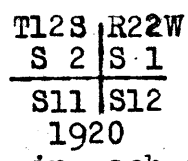
Survey of Subdivision of Fracl. Township 12 South, Range 22 W.

Chains. From cor. of secs. 1, 2, 35 and 35, on N. bdy. of Tp., described in Book "F,"

40.00 S. 0° 1' E., bet. secs. 1 and 2. Over gently rolling land, thru. scattering undergrowth. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,



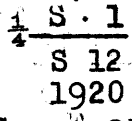
80.00 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap,



Dig pits, 18x18x12 ins., in each sec. NE., SE., SW. and NW. of post, 3 ft. dist. Land, gently rolling, drains SW. Soil, sandy loam, 2nd and 3rd rate. No timber. Undergrowth, greasewood and sage brush. Fair growth of galletta grass.

40.00 S. 89° 59' E., on a random line, bet. secs. 1 and 12. Set temp. 1/4 sec. cor. 80.14 Fall 5 lks. S. of the cor. of secs. 1, 6, 7 and 12, on E. bdy. of Tp., described in Book "E."

40.07 Thence, S. 89° 59' W., on a true line, bet. secs. 1 and 12. Over rolling land, thru. scattering undergrowth. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked

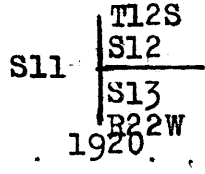


80.14 Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist. The cor. of secs. 1, 2, 11 and 12. Land, rolling. Soil, sandy, 2nd and 3rd rate. No timber. Undergrowth, greasewood and sagebrush. Fair growth of galletta grass.

40.00 S. 0° 1' E., bet. secs. 11 and 12. Over rolling land, thru. scattering undergrowth. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,



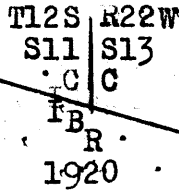
80.00 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 12 and 13, marked on brass cap,



80.10 Dig pits, 18x18x12 ins., in each sec., NE., and SE. of post, 3 ft. dist. Continue line and measurement, bet. secs. 11 and 13. Intersect 60 ft. International Boundary Reserve, which bears N. 70° 20' W., and S. 70° 20' E. At the point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for Boundary Reserve closing cor. of fractional secs. 11 and 13, marked on brass cap, marked on brass cap,

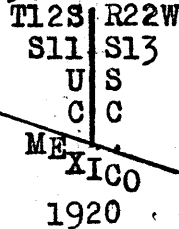
Subdivision of Fracl. Township 12 South, Range 22 West.

Chains.



81.07

Dig pits, 18x18x12 ins., on each line, 3 ft. dist.
 Intersect the International Boundary between United States and Mexico, 246.92 chs. N. 70° 20' W. of International Boundary Monument No. 198, described in Book "E."
 At the point of intersection, set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of fracl. secs. 11 and 13, marked on brass cap,



Dig pits, 18x18x12 ins. on each line, 3 ft. dist.
 Land, gently rolling, drains SW. Soil, sandy loam, 2nd rate.
 No timber. Undergrowth, greasewood and sagebrush.
 Fair growth of grass.

40.00

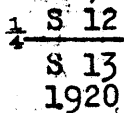
From cor. of secs. 12 and 13.
 N. 89° 59' E., on random line, bet. secs. 12 and 13.
 Set temp. 1/4 sec. cor.

80.22

Fall 5 lks. S. of the cor. of secs. 7, 12, 13, and 18, on E. bdy. of Tp., described in Book "E."

40.11

Thence, S. 89° 57' W., on true line, bet. secs. 12 and 13.
 Over slightly rolling land, thru. scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

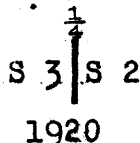


80.22

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
 The cor. of secs. 12 and 13.
 Land, rolling.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood and sage brush.
 Fair grass.

40.00

From the cor. of secw. 2, 3, 34 and 35, on the N. bdy. of Tp., described in Book "F,"
 S. 0° 1' E., bet. secs. 2 and 3.
 Over gently rolling land, thru. scattering undergrowth.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

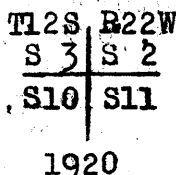


60.00

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
 Thence across deep sand, brs. E. and W.

80.00

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

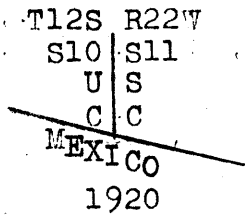


Survey of Subdivision of Fractional T. 12 S., R. 22 W.

| | |
|--|---|
| Chains. | <p>Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist. Land, gently rolling; drains W. Soil, 2nd and 3rd rates. No timber. Undergrowth, greasewood and sagebrush. Fair growth of galletta grass.</p> |
| <p>40.00 79.96 39.98</p> | <p>Flag at the cor. of secs. 1, 2, 11 and 12 being plainly visible, project line for said cor. from last sec. cor. N.89°58'E. on a random line, bet. secs. 2 and 11. Set temp. $\frac{1}{4}$ sec. cor. Intersect the cor. of secs. 1, 2, 11 and 12. Thence S.89°58'W. on a true line, bet. secs. 2 and 11. 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</p> $\begin{array}{c} \frac{1}{4} \text{ S } 2 \\ \frac{1}{4} \text{ S } 11 \\ 1920 \end{array}$ <p>Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist. The cor. of secs. 2, 3, 10 and 11. Land, gently rolling. Soil, sandy and slightly stony, 3rd rate. No timber. Undergrowth, greasewood and sagebrush. Fair growth of galletta grass.</p> |
| <p>40.00 51.49</p> | <p>S.0°1'E. bet. secs. 10 and 11. Overgently 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</p> $\begin{array}{c} \frac{1}{4} \\ \text{S10} \text{S11} \\ 1920 \end{array}$ <p>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°20'W. and S.70°20'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. 10 and 11, marked on brass cap</p> $\begin{array}{c} \text{T12S R22W} \\ \text{S10} \text{S11} \\ \text{C} \text{C} \\ \text{IBR} \\ 1920 \end{array}$ |
| <p>52.46</p> | <p>Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist. Intersect the International Boundary between United States and Mexico, 331.87 chs. N.70°20'W. of International Bdy. Monument No. 198 and 46.10 chs. S.70°20'E. of International Bdy. Monument No. 199, 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. 10 and 11, marked on brass cap</p> |

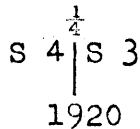
Survey of the Subdivision of Fractional T. 12 S., R. 22 W.

Chains.

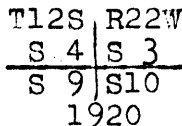


Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
Land, gently rolling.
Soil, 2nd and 3rd rates.
No timber.
Undergrowth, greasewood and sagebrush.
Fair growth of galletta grass.

40.00 From the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of T. 12 S., described in Book "F", S.0°2'E., bet. secs. 3 and 4. 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

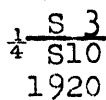


80.00 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked on brass cap



Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW. and NW. of post, 3 ft. dist.
Land, gently rolling; drains W.
Soil, sandy and rocky, 3rd rate.
No timber.
Undergrowth, greasewood and sagebrush.
Fair growth of galletta grass.

40.00 S.89°59'E., on a random line, bet. secs. 3 and 10. Set temp. 1/4 sec. cor.
80.00 Intersect the cor. of secs. 2, 3, 10 and 11. Thence N.89°59'W., on a true line, bet. secs. 3 and 10. Over slightly rolling land, through scattering undergrowth.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



80.00 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist. The cor. of secs. 3, 4, 9 and 10. Land, slightly rolling; drains W. Soil, stony, 3rd rate. No timber. Undergrowth, greasewood and sagebrush. Fair growth of galletta grass.

Survey of the Subdivision of Fractional T. 12 S., R. 22 W.

Chains.

- 22.89 S.0°2'E., bet. secs. 9 and 10.
Over gently rolling land, through scattering undergrowth.
Intersect 60 ft. International Boundary Reserve, which
brs. N.70°20½'W. and S.70°20½'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. 9 and 10, marked on brass cap

T12S R22W
S 9 | S10
C | C
IBR
1920

- 23.86 Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
Intersect the International Boundary between United States
and Mexico, 38.90 chs. N.70°20½'W. of International
Boundary Monument No. 199, 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. 9 and 10,
marked on brass cap

T12S R22W
S 9 | S10
U | S
C | C
MEXICO
1920

Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
Land, gently rolling, drains W.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood and sagebrush.
Fair growth of galletta grass.

- 40.00 From the cor. of secs. 4, 5, 32 and 33, on the N. bdy. of
Tp., described in Book "F",
S.0°2'E., bet. secs. 4 and 5.
Over slightly rolling 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

1
S 5 | S 4
1920

- 74.30 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°20½'W. and S.70°20½'E.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. dian., 24 ins. in the
ground, for Boundary Reserve closing cor. of fractional
secs. 4 and 5, marked on brass cap

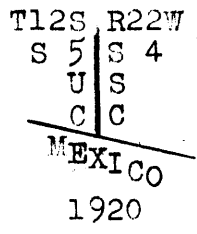
T12S R22W
S 5 | S 4
C | C
IBR
1920

Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.

Survey of the Subdivision of Fractional T. 12 S., R. 22 W.

Chains.
75.27

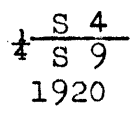
Intersect the International Boundary between United States and Mexico, 123.88 chs. N.70°20½'W. of International Boundary Monument No. 199, hereinbefore described.
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fractional secs. 4 and 5, marked on brass cap



Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
Land, slightly rolling; drains W.
Soil, sandy, 3rd rate.
No timber.
Undergrowth, greasewood and sagebrush.
Fair growth of galletta grass.

40.00

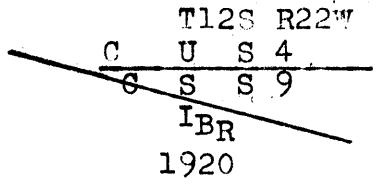
From the cor. of secs. 3, 4, 9 and 10, N.89°59'W. on a true line, bet. secs. 4 and 9.
Over slightly rolling land, through scattering undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



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

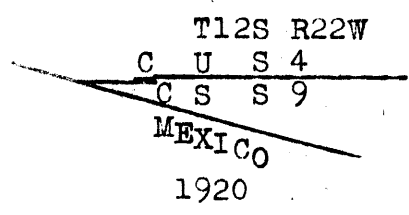
63.99

Intersect 60 ft. International Boundary Reserve, which brs. N.70°20½'W. and S.70°20½'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. 4 and 9, marked on brass cap



66.70

Intersect the International Boundary between United States and Mexico, 109.74 chs. N.70°20½'W. of International Monument No. 199, 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. 4 and 9, marked on brass cap

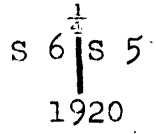


Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist.
Land, slightly rolling.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood and sagebrush.
Fair growth of galletta grass.

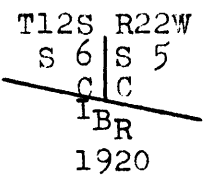
Survey of the Subdivision of Fractional T. 12 S., R. 22W.

Chains.

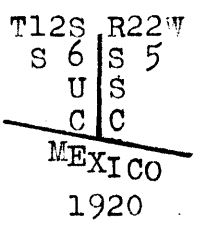
40.00 From the cor. of secs. 5, 6, 31 and 32, on the N. bdy. of Tn., described in Book "F", S.0°3'E. bet. secs. 5 and 6. Over nearly level land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



45.72 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°20 $\frac{1}{2}$ 'W. and S.70°20 $\frac{1}{2}$ '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. 5 and 6, marked on brass cap



46.69 Dig pits, 18 X 18 X 12 ins., on each line, 3 ft. dist. Intersect the International Boundary between United States and Mexico, 208.85 chs. N.70°20 $\frac{1}{2}$ 'W. of International Boundary Monument No. 199, 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. 5 and 6, 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 rate. No timber. Undergrowth, greasewood and sagebrush. Fair growth of galletta grass.

The continued satisfactory adjustment of the solar apparatus during the survey of this fractional township is indicated from field tests as described in Book "H".

General Description.
This fractional township consists of nearly level sandy land, covered with a scattering growth of greasewood and sagebrush undergrowth. The general drainage is to the west and south west. There are no settlers. No water has been developed in the township. Galletta grass affords fair grazing, which seems to be the only industry possible.

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 12 South, Range 22 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. Date, Aug. 15, 1921

William D. Wilson Temporary U.S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

, 191

The foregoing field notes of the survey of

executed by under his special instructions dated, 191, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

16

BOOK 3454

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, surveyed all those parts or portions of the

West boundary and Subdivision Lines of Fractional Township 12 South, Range 22 West

of the Gila and Salt River Base 9th 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, Phoenix Ariz Date, July 16 1921

William H. Thorn U.S. Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona Aug. 20, 1921.

The foregoing field notes of the survey of the

West boundary and Subdivision Lines of Fractional Township 12 South, Range 22 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.

Frank O. Frost U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above described surveys in has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.