

BOOK 3730

FIELD NOTES

OF THE RETRACEMENT OF

Part of the International Boundary Line between the United States
and Mexico (Monument 162 to Monument 163)

AND OF THE SURVEY OF

North Boundary,

West Boundary and

Subdivision Lines of

Township 18 South, Range 3 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

Otis O. Gould, U.S. Transitman

In the capacity of U. S. Surveyors, under Special Instructions dated Sept. 26, 1919,
issued by the United States Surveyor General to govern surveys included in Group
No. 191, Arizona, which were approved by the Commissioner of the General Land
Office, October 22, 1919, and Assignment Instructions dated October 17, 1925.

Retracement
and Survey commenced November 16, 1925.

Retracement
and Survey completed December 18, 1925.

3730

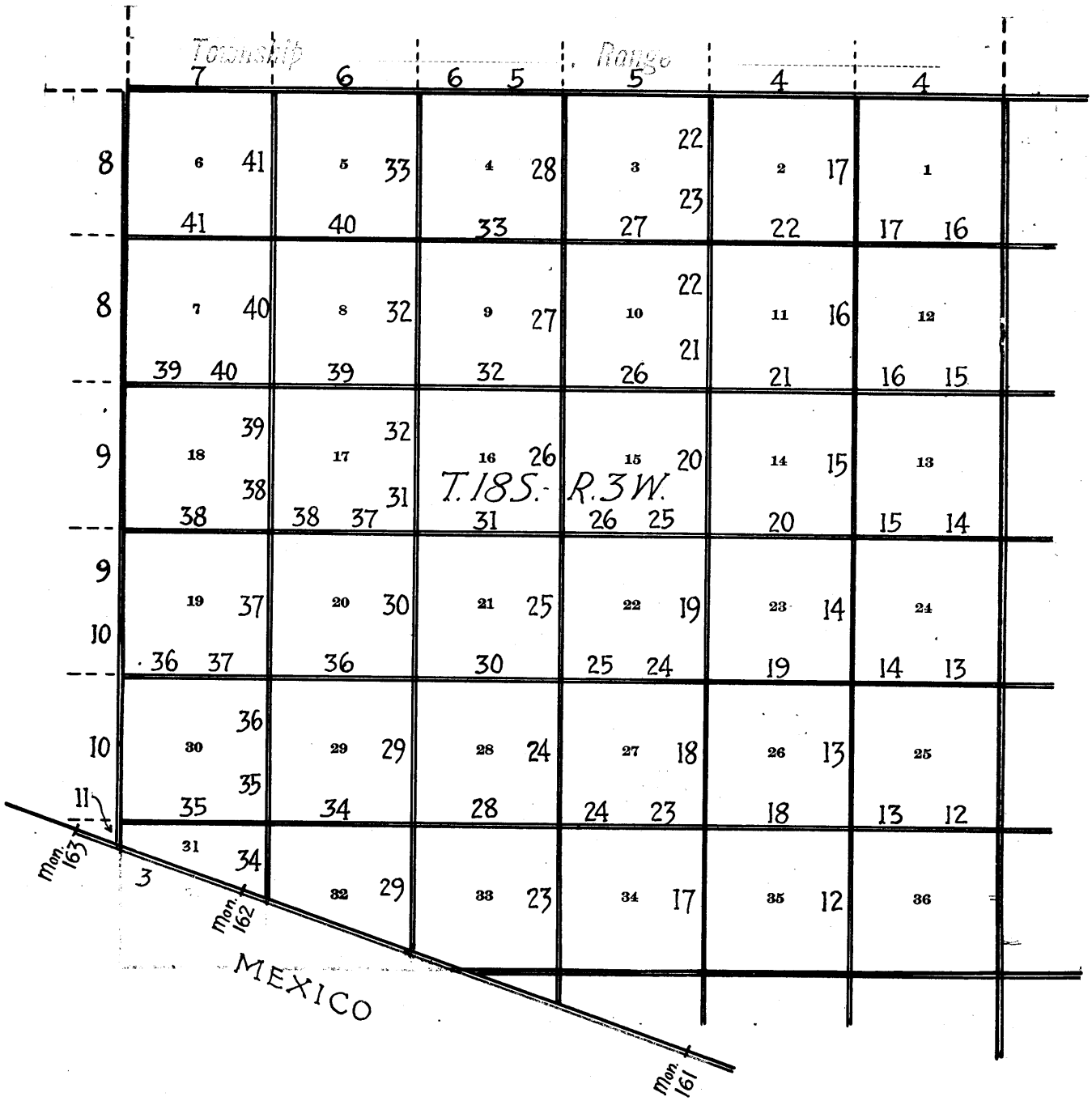
3730

1A

Book "H"
Group 101 - Arizona

BOOK 3730

INDEX DIAGRAM.



==== Surveyed under this group.

==== Retraced under this group.

----- Accepted surveys.

----- Unsurveyed.

Book "H"
Group 101- Arizona
Township 18 South, Range 3 West

DATE DIAGRAM
1925

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

For dates of survey of this line, see Book "E"
11-14

For dates of survey of this line: see
Book "G"
11-23

— Indicates lines surveyed by William H. Thorn, U.S. Cadastral Engineer, on dates shown thereon.

— Indicates lines surveyed by Otis O. Gould, U.S. Transitman, on dates shown thereon.

— Indicates lines retraced by William H. Thorn, U.S. Cadastral Engineer, on dates shown thereon.

- - - - - Retraced under this group, notes and dates in Book "G."

- - - - - Surveyed under this group, notes and dates in Books "E" and "G."

Retracements and surveys hereinafter described were executed on the dates shown on the diagram on page 1, hereof, by Otis O. Gould, U.S. Transitman and William H. Thorn, U.S. Cadastral Engineer, using respectively, Young & Sons Transits Nos. 8541 and 8592. The instruments are equipped with full vertical circles and improved Smith solar attachments, the horizontal limbs of which are provided with two double verniers placed opposite each other, reading to single minutes of arc, which is also the least count of the declination and latitude arcs of the solar attachments. Unless otherwise specified, all azimuth determinations are made with the solar attachments.

Nov. 19, 1925: Examine the adjustment of the instruments and find no errors; then, to test the solar apparatus by comparing its indications from observations made during a.m. and p.m. hours with a meridian established by Polaris observation, proceed as follows.

At place, and on meridian described on page 2 of Book "D" of this Group, on Nov. 19, 1925, at 9^h 00^m a.m., l.m.t., set off $31^{\circ}49\frac{1}{2}'$ N. on the lat. arcs, and $19^{\circ}25\frac{1}{2}'$ S. on the decl. arcs, and determine meridians with the solars, which agree with the true meridian.

At 3^h 00^m p.m., l.m.t., with the lat. arcs unchanged, set off $19^{\circ}27'$ S. on the decl. arcs, and determine meridians with the solars, which coincide with the true meridian.

Unless otherwise specified, all measurements are made with Lufkin steel tapes, 5 chains in length, compared with a Lufkin standard steel tape, 1 chain in length and found correct. The measurements are made on the slope, the vertical angles determined, and the slope measurements properly reduced to true horizontal distances

Retracement of the International Boundary, between United States and Mexico (Mon. 162 to 163).

Chains.

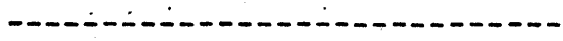
The International Boundary Line, bet. the United States and Mexico, and between the State of Arizona and Sonora, respectively, of said countries, was surveyed in 1855, according to treaty of December 30, 1853, by a joint party of surveyors from both countries.

This line was later found to be improperly monumented and otherwise defective; therefore, between the years 1891 and 1896, the entire boundary line was resurveyed by a joint party of surveyors appointed by both countries.

In this resurvey, the monuments were of standardized design, the majority of which were made of cast iron, 6 ft. high, 12 ins. square at base, 9 ins. square at top with a pyramidal cap and flanged base 24 ins. square. These monuments were either bolted to a concrete foundation or natural rock, and each was provided with proper inscription plates and number. Other monuments were of masonry construction, to which were bolted the inscription and number plates.

All monuments were set at irregular intervals and consecutively numbered from East to West.

The following notes describe a retracement of that part of the International Boundary situate between Monuments Nos. 162 and 163.



Monument No. 162 is a masonry monument, 4 ft. square at base, 10 ft. high, and 2 ft. square at top, bearing two inscription plates, one each on N. and S. faces, and 162 on E. face.

This monument is on top of a ridge, bearing NW. and SE. Thence,

N. 70° 10' W., on random line, toward Mon. No. 163. Over mountainous land, thru. dense undergrowth.

37.00 Descend 540 ft., over SW. slope.

Bottom of ravine, course SE.

62.30 Ascend 300 ft., over NE. slope.

Spur, slopes N.

74.95 Descend 245 ft., over W. slope.

Bottom of ravine, course NW.

98.04 Ascend 300 ft., over NE. slope, to

Fall 14 lks. N. 19° 50' E. of Monument No. 163, which is a cast iron monument, conforming to the standard design hereinbefore described, and firmly set on concrete base 4 ft. square.

This monument is on top of a spur sloping NW.

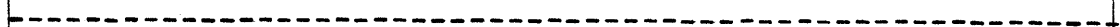
True course and dist. of International Boundary Line, bet. monuments Nos. 162 and 163 are therefore N. 70° 15' W., 98.04 chs.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, greasewood, sagebrush, scrub palo verde and cactus.



BOOK 3730

4 Survey of North bdy. of Township 18 South, Range 3 West.

Chains.

The true point for cor. of Ts. 17 and 18 S., Rs. 2 and 3 W., is in wash, course SW.; therefore, witness cor. was established at 60 lks. East, as described in Book "E,"

40.00 From the true point for the Tp. cor., West, on true line, bet. secs. 1 and 36. Over gently rolling land, thru. scattering undergrowth. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 1 and 36, with brass cap, marked

$$\begin{array}{r} \frac{1}{4} S 36 \\ S 1 \\ 1925 \end{array}$$

from which,

A mesquite, 6 ins. in diam., brs. S. $13\frac{1}{2}^{\circ}$ E., 100 lks. dist., marked $\frac{1}{4}$ S 1 BT.

A mesquite, 6 ins. in diam., brs. N. 69° W., 206 lks. dist., marked $\frac{1}{4}$ S 36 BT.

45.00 Enter dense undergrowth, brs. N. and S.

52.70 Indian road, brs. N. 20° W. and S. 20° E.

59.50 Wash, 15 lks. wide, 5 ft. deep, course S. Enter level land.

65.00 Enter scattering undergrowth, brs. N. and S.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 1, 2, 35 and 36, with brass cap, marked

$$\begin{array}{r|l} T17S & R3W \\ \hline S35 & S36 \\ \hline S 2 & S 1 \\ T18S & \\ 1925 & \end{array}$$

from which,

A mesquite, 5 ins. in diam., brs. N. $16\frac{1}{2}^{\circ}$ E., 323 lks. dist., marked T17S R3W S36 BT.

A mesquite, 4 ins. in diam., brs. S. $39\frac{1}{2}^{\circ}$ E., 35 lks. dist., marked BT.

A mesquite, 5 ins. in diam., brs. S. 42° W., 218 lks. dist., marked T18S R3W S2 BT.

A mesquite, 4 ins. in diam., brs. N. 67° W., 134 lks. dist., marked BT.

Land, gently rolling and level.

Soil, adobe and rocky, 2nd rate.

Timber, none.

Undergrowth, greasewood, sage brush, scrub palo verde and mesquite and cactus.

40.00 West, on true line, bet. secs. 2 and 35. Over level land, thru. dense undergrowth. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 2 and 35, with brass cap, marked

$$\begin{array}{r} \frac{1}{4} S 35 \\ S 2 \\ 1925 \end{array}$$

from which,

A mesquite, 6 ins. in diam., brs. S. 88° W., 134 lks. dist., marked $\frac{1}{4}$ S 2 BT.

A mesquite, 6 ins. in diam., brs. N. 84° W., 155 lks. dist., marked $\frac{1}{4}$ S 35 BT.

51.00 Road, brs. N. 10° E. to Manager's Dam and S.

51.30 Indian road, brs. N. 10° E. and S.

51.40 Raise a mound of stone, 3 ft. base, 3 ft. high, on line.

68.30 Wash, 50 lks. wide, course S. 10° E.

77.00 Leave level, and enter rolling land.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 2, 3, 34 and 35, with brass

Survey of North bdy. of Township 18 South, Range 3 West. 5

Chains.

cap, marked

T17S	R3W
S34	S35
S 3	S 2
T18S	
1925	

from which,

A mesquite, 4 ins. in diam., brs. N. 79° E., 129 lks. dist., marked T17S R3W S35 BT.

A mesquite, 6 ins. in diam., brs. S. 1 1/2° E., 206 lks. dist., marked T18S R3W S2 BT.

No other bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, level and gently rolling.

Soil, adobe, 2nd rate.

Timber, none.

Undergrowth, greasewood, sage brush, scrub mesquite, cat-claw and cactus.

40.00

West, on true, bet. secs. 3 and 34.

Over gently rolling land, thru. dense undergrowth.

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of secs. 3 and 34, with brass cap, marked

1/4	S 34
S 3	
1925	

No bearing trees available.

42.00
80.00

Raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor. Wash, 10 lks. wide, course S. 20° E.

Set an iron post, 3 ft. long, 2 ins. in diam., 22 ins. in the ground, supported by a mound of stone, for cor. of secs. 3, 4, 33 and 34, with brass cap, marked

T17S	R3W
S33	S34
S 4	S 3
T18S	
1925	

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, gently rolling.

Soil, adobe, 2nd rate.

Timber, none.

Undergrowth, greasewood, sage brush, ironwood, scrub palo verde, catclaw and mesquite and cactus.

14.22
19.00

West, on true line, bet. secs. 4 and 33.

Over rolling land, thru. dense undergrowth.

Raise a mound of stone, 3 ft. base, 2 ft. high, on line. Wash, 10 lks. wide, course S. 30° E.

Ascend 126 ft., over E. slope, to

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, supported by a mound of stone, 3 ft. base, 1 ft. high, for 1/4 sec. cor., with brass cap, marked

1/4	S 33
S 4	
1925	

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Ascend 51 ft., over E. slope.

BOOK 3730

6 Survey of North boundary of Township 18 South, Range 3 West.

Chains.

43.50 Malpais hill, 20 chs. long, brs. N. and S.
 Descend 176 ft., over W. slope.
 57.20 Wash, 10 lks. wide, course SE.
 62.00 Ascend 126 ft., over E. slope.
 73.00 Top of hill, 20 chs. long, brs. N. and S.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the
 ground to bed rock, deposit a stone marked with a cross
 (x) at base of post, and raise a mound of stone around
 post, for cor. of secs. 4, 5, 32 and 33, with brass cap,
 marked

T17	R3W
S32	S33
S 5	S 4
T18S	
1925	

No bearing trees available.
 Land, rolling.
 Soil, rocky, 3rd and 4th rate.
 Timber, none.
 Undergrowth, greasewood, scrub palo verde, ironwood and
 mesquite and cactus.

 West, on true line, bet. secs. 5 and 32.
 Over rolling land, thru. dense undergrowth.
 Ascend 123 ft., over E. slope.
 25.00 Spur, slopes S.
 Descend 91 ft. over W. slope, to
 30.00 Leave rolling, and enter level land.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 2 ins. in
 the ground to bed rock, supported by a mound of stone,
 for $\frac{1}{4}$ sec. cor. of secs. 5 and 32, with brass cap,
 marked

$\frac{1}{4}$ S 32
S 5
1925

from which,

An ironwood, 8 ins. in diam., brs. N. 76° E., 97
 lks. dist., marked $\frac{1}{4}$ S 32 BT.
 A palo verde, 8 ins. in diam., brs. S. 61° W., 76
 lks. dist., marked $\frac{1}{4}$ S 5 BT.
 40.20 Wash, 10 lks. wide, course S. 20° W.
 46.50 Wash, 50 lks. wide, course S. 20° E.
 65.00 Leave level, and enter mountainous land.
 Ascend 212 ft., over broken E. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in
 the ground to bed rock, deposit a stone marked with a
 cross (x) at base of post, and raise a mound of stone,
 around post, for cor. of secs. 5, 6, 31 and 36, with
 brass cap, marked

T17S	R3W
S31	S32
S 6	S 5
T18S	
1925	

No bearing trees available.
 Land, rolling and level.
 Soil, rocky, 3rd rate.
 Timber, none.
 Undergrowth, greasewood, sage brush, scrub mesquite and
 palo verde, and cactus.

Survey of North boundary of Township 18 South, Range 3 West.

7

Chains.

- West, on true line, bet. secs. 6 and 31.
Over mountainous land, thru. dense undergrowth.
Ascend 22 ft., over E. slope.
- 6.70 Ridge, brs. NW. and SE.
Descend 192 ft., over broken SW. slope.
- 27.00 Wash, 10 lks. wide, course S. 30° E.
Leave mountainous and enter level bottom land.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in
the ground to bed rock, supported by a mound of stone
for $\frac{1}{4}$ sec. cor. of secs. 6 and 31, with brass cap, marked
- $\frac{1}{4}$ S 31
 S 6
 1925
- No bearing trees available. Raise a mound of stone, 4 ft.
base, 3 ft. high, N. of cor.
- 58.00 Leave level bottom land, and enter mountainous land.
Ascend 516 ft., over broken E. slope.
- 71.30 Large spur, slopes NW. Raise a mound of stone, 4 ft. base,
3 ft. high, on line.
- 80.00 Descend 204 ft., over broken NW. slope, to
Set an iron post, 3 ft. long, 3 ins. in diam., 4 ins. in the
ground to bed rock, deposit a stone marked with a cross
(x) at base of post, and raise a mound of stone around
post, for cor. of Ts. 17 S., Rs. 3 & 4 W., T. 18 S., R. 3 W., and Frac. T. 18 S., R. 4 W., with
brass cap, marked
- T17S
 R4W | R3W
 S36 | S31
 S 1 | S 6
 T18S
 1925
- No bearing trees available.
About 4 chs. W. of this Tp. cor. is the bottom of a deep ra-
vine, course N.
Land, mountainous and level.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, scrub palo verde, mesquite and pepper; ocotillo
and cactus.
-

BOOK 3730

8 Survey of West boundary of Township 18 South, Range 3 West.

Chains.

From cor. of T_s. 17 S., R_s. 3 & 4 W., T_s. 18 S., R_s. 3 W., and Frac. T_s. 18 S., R_s. 4 W., hereinafter described,
 South, on true line, bet. secs. 1 and 6.
 Over mountainous land, thru. dense undergrowth.
 Ascend 35 ft., over broken NW. slope.
 1.30 Point of spur, slopes W.
 Descend 47 ft., over SW. slope.
 5.60 Head of ravine, course N. 30° W. Asc. 471 ft., over N. slope.
 28.50 Ridge, brs. N. 50° W. and E. Desc. 385 ft. over broken SW. slope.
 29.14 Raise a mound of stone 3 ft. base, 3 ft. high, on line.
 40.00 Point falls on steep slope, where it is impracticable to set monument; therefore, at
 42.30 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone, around post, for witness cor. to $\frac{1}{4}$ sec. cor. of secs. 1 and 6, with brass cap, marked

$\frac{1}{4}$
 W | C
 S 1 | S 6
 1925

No bearing trees available.
 Descend 303 ft., over broken SW. slope, to
 69.00 Leave mountainous, and enter gently rolling land.
 80.00 Set an iron post, 3 ft. long; 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise mound of stone around post, for cor. of secs. 1, 6, 7 and 12, with brass cap, marked

T18S
 R4W | R3W
 S 1 | S 6
 S12 | S 7
 1925

from which,
 .An ironwood, 6 ins. in diam., brs. S. 8° E., 69 lks. dist., marked T18S R3W S7 BT.
 An ironwood, 8 ins. in diam., brs. S. 24° W., 129 lks. dist., marked T18S R4W S12 BT.
 No other trees available.
 Land, mountainous and gently rolling.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, scrub ironwood, mesquite and pepper, ocotillo and cactus.

South, on true line, bet. secs. 7 and 12.
 Over rolling land, thru. dense undergrowth.
 3.50 Bottom of ravine, 50 lks. wide, 20 ft. deep, course SW.
 22.70 Wash, 10 lks. wide, course S. 60° W.
 36.40 Wash, 20 lks. wide, course NW.
 Ascend 40 ft., over NE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post for $\frac{1}{4}$ sec. cor. of secs. 7 and 12, with brass cap, marked

S12 | S 7
 1925

No bearing trees available.
 Thence, over mountainous land.
 Ascend 170 ft., over NE. slope.
 49.00 Spur ridge, brs. SE. and NW.
 Descend 237 ft., over broken SW. slope and cliffs, to
 55.00 Thence over rolling land.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in

Survey of West boundary of Township 18 South, Range 3 West. 9

Chains.

the ground, for cor. of secs. 7, 12, 13 and 18, with brass cap, marked

T18S	
R4W	R3W
S12	S 7
S13	S18
1925	

No bearing trees available. Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, greasewood, ironwood, ocotillo and cactus.

4.50
30.00

South, on true line, bet. secs. 13 and 18.
 Over rolling land, thru. dense undergrowth.
 Wash, 50 lks. wide, course N. 70° W.
 Thence, over mountainous land, brs. NW. and SE.
 Ascend 91 ft., over broken volcanic cliffs, facing NE.
 Set an iron post, 3 ft. long, 1 in. in diam., over a cross (x) marked on surface rock, and raise a mound of stone, 4 ft. base, 2 1/8 ft. high around post, for 1/4 sec. cor. of secs. 13 and 18, with brass cap, marked

1/4	
S13	S18
1925	

48.30

No bearing trees available.
 Ascend 76 ft., over broken cliffs, facing NE.
 Spur, slopes NW.
 Descend 80 ft., over broken SW. slope.

60.00

Bottom of ravine, course NW. Thence over broken cliffs, facing NE. Ascend 200 ft., to top of cliffs, brs. NW. and SE.

76.70

Top of cliffs, brs. NW. and SE.
 Ascend 29 ft., over NW. slope, to

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post for cor. of secs. 13, 18, 19 and 24, with brass cap, marked

T18S	
R4W	R3W
S13	S18
S24	S19
1925	

No bearing trees available.
 Land, rolling and mountainous.
 Soil, rocky, 3rd rate.
 Timber, none.
 Undergrowth, scrub palo verde and ironwood, sage brush, pepper and cactus.

5.00

South, on true line, bet. secs. 19 and 24.
 Over mountainous land, thru. dense undergrowth.
 Ascend 17 ft., over NW. slope.
 Spur, slopes SW.

29.60

Descend 402 ft., over broken cliffs, facing SE.
 Wash, 30 lks. wide, course SW. Thence over nearly level land, in bottom of canyon.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for 1/4 sec. cor. of secs. 19 and 24, with brass cap, marked

BOOK 3730

10 Survey of West boundary of Township 18 South, Range 3 West.

Chains.

$$\begin{array}{c} \frac{1}{4} \\ \hline S24 | S19 \\ \hline 1925 \end{array}$$

- No bearing trees available.
Leave bottom of canyon. Asc. 528 ft. over broken cliffs, facing NE.
- 65.00 Spur, slopes NW.
Ascend over broken W. slope.
- 75.00 Head of gulch, course NW.
Ascend 74 ft., over NW. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 19, 24 & 30, and frac. sec. 25, with brass cap, marked

$$\begin{array}{c} T18S \\ R4W | R3W \\ \hline S24 | S19 \\ \hline S25 | S30 \\ \hline 1925 \end{array}$$

No bearing trees available.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, greasewood, sage brush, scrub palo verde, ocotillo and cactus.

- South, on true line, bet. sec. 30 and frac. sec. 25.
Over mountainous land, thru. dense undergrowth.
Ascend 89 ft., over NW. slope.
- 7.80 Top of round knoll, 50 lks. across, 50 ft. high, Raise a mound of stone, 4 ft. base, 4 ft. high, on line.
- 26.40 Descend over S. and SE. slopes, to
Spur, slopes SE.
- 30.00 Descend 74 ft., over SW. slope.
Ravine, course SE.
- 34.80 Ascend 81 ft., over broken N. slope.
Spur, slopes SE. Desc. 95 ft., over SE. slope.
- 39.00 Ravine, course SE. Asc. 25 ft., over NE. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor. of secs. 25 and 30, with brass cap, marked.

$$\begin{array}{c} \frac{1}{4} \\ \hline S25 | S30 \\ \hline 1925 \end{array}$$

- No bearing trees available.
Ascend 49 ft., over NE. slope.
- 45.40 Spur, slopes E. Desc. 66 ft., over S. slope.
- 50.00 Ravine, course E. Asc. 116 ft., over broken NE. slope.
- 62.50 Ridge, brs. NW. and SE.
Descend 383 ft., over broken cliffs facing SW.
- 79.00 Bottom of ravine, course W. Asc. 40 ft., over NW. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on surface rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of sec. 30, and frac. secs. 25, 31 and 36, with brass cap, marked

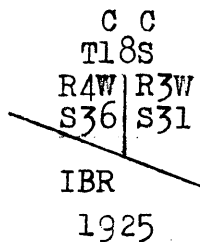
$$\begin{array}{c} T18S \\ R4W | R3W \\ \hline S25 | S30 \\ \hline S36 | S31 \\ \hline 1925 \end{array}$$

Survey of West boundary of Township 18 South, Range 3 West. 11

Chains.

No bearing trees available.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, greasewood, sage brush, scrub palo verde, iron-wood and cactus.

2.30 South, on true line, bet. frac. secs. 31 and 36.
 Over mountainous land, thru dense undergrowth.
 Ascend 25 ft., over NW slope.
 Point of spur, slopes SW.
 11.03 Descend 136 ft., over SW slope, to
 Intersect the Neutral Strip (60 ft. wide) bearing N. 70° 15' W.
 and S. 70° 15' E. along the International Boundary Line.
 At point of intersection,
 Set an iron post, 3 ft. long, 3 ins. in diam.,
 26 ins. in the ground for closing cor. of T. 18 S., R. 3 W.,
 and frac. T. 18 S., R. 4 W., with brass cap, marked



12.00 No bearing trees available.
 Raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.
 Continue measurement across Neutral Strip.
 Intersect the International Boundary Line between the
 United States and Mexico, at a point 25.11 chs. S. 70°
 15' E. from Monument No. 163 thereon, hereinbefore de-
 scribed.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, greasewood, sagebrush, scrub palo verde and
 cactus.

Boundaries of Township 18 South, Range 3 West.

Latitudes, departures and closing errors.

Line designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	West,	291.60				291.60
(International Bdy.	N. 70° 10' W.	127.80	43.36			120.22
(International Bdy.	N. 70° 15' W.	72.93	24.64			68.64
West boundary,	North,	412.00	412.00			
North boundary,	East,	480.00			480.00	
East boundary,	South,	480.00		480.00		
Convergency,					.44	
Totals,			480.00	480.00	480.44	480.46
				480.00		480.44
Error in latitude,			0.00			
Error in departure,					0.02	

BOOK 3730

12 Survey of Subdivision lines of Township 18 South, Range 3 West.

Chains.

From cor. of secs 35 and 36, and frac. secs. 1 and 2 on South bdy. of the Tp., described in Book "G" of this group, N.0°1'W., bet. secs. 35 and 36.

Over mountainous land, thru. dense undergrowth. Along broken E. slope.

25.30 Point of spur, slopes E. Raise a mound of stone, 3 ft. high, 3 ft. base, on line.

Descend 70 ft., over broken NE. slope, to

32.00 Leave mountainous and enter level land.

37.10 Fence, brs. E. and W.

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

$\frac{1}{4}$
 S35 | S36
 1925

No bearing trees available.

59.50 Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Slough. (part of Manager's Dam reservoir) 30 lks. wide, brs. SW and NE.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap, marked

T18S | R3W
 S26 | S25
 S35 | S36
 1925

from which,

A mesquite, 6 ins. in diam., brs. N.52°E., 80 lks. dist., marked T18S R3W S25 BT.

A mesquite, 6 ins. in diam., brs. S.9 $\frac{1}{2}$ °E., 242 lks. dist., marked T18S R3W S36 BT.

A mesquite, 6 ins. in diam., brs. S.56 $\frac{1}{2}$ °W., 144 lks. dist., marked T18S R3W S35 BT.

A mesquite, 6 ins. in diam., brs. N.36 $\frac{1}{2}$ °W., 93 lks. dist., marked T18S R3W S26 BT.

Land, mountainous and level.

Soil, adobe and rocky, 2nd and 4th rate.

Timber, none.

Undergrowth, greasewood, sagebrush, scrub mesquite, organ pipe and cactus.

40.00 East, on a random line, bet. secs. 25 and 36.

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

80.00 Fall 2 lks. S. of the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., described in Book "E" of this group.

Thence,

S.89°59'W., on a true line, bet. secs. 25 and 36.

Over level land, thru. dense undergrowth.

16.00 Road, brs. N. and S.

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

$\frac{1}{4}$ S 25
 S 36
 1925

from which,

A mesquite, 6 ins. in diam., brs. N.43 $\frac{1}{2}$ °E., 70 lks. dist., marked $\frac{1}{4}$ S 25 BT.

Survey of the Subdivision of
 the Lines of Township 18 South, Range 3 West.

Chains

A mesquite, 4 ins. in dia., brs. S.66°W., 31 lks.
 dist., marked $\frac{1}{4}$ S36 BT.

46.20 4-wire fence, brs. N. and S.

50.00 Dry wash, 10 lks. wide, course S.60°W.

61.80 Dry wash, 10 lks. wide, course SW.

80.00 The cor. of secs. 25, 26, 35 and 36.

Land: level.

Soil: adobe, 2nd rate.

Timber: none.

Undergrowth: greasewood, sage and mesquite.

N.0°01'W., bet. secs. 25 and 26.

Over level land; thru dense undergrowth.

13.70 5-wire fence, brs. E. and W.

14.00 Road, brs. W. to Manager's Dam and E.

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

$\frac{1}{4}$
 S26 | S25

1925

from which

A mesquite, 6 ins. in dia., brs. S.88°E., 43 lks.
 dist., marked $\frac{1}{4}$ S25 BT.

A mesquite, 4 ins. in dia., brs. N.66°W., 24 lks.
 dist., marked BT.

79.80 Road, brs. S.20°E. and N.20°W.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in
 the ground for cor. of secs. 23, 24, 25 and 26, with
 brass cap marked

T18SR3W
 S23 | S24

S26 | S25
 1925

from which

A mesquite, 4 ins. in dia., brs. N.34°E., 138 lks.
 dist., marked T18S R3W S24 BT.

A mesquite, 6 ins. in dia., brs. S.57°E., 91 lks.
 dist., marked T18S R3W S25 BT.

A mesquite, 8 ins. in dia., brs. S.21°W., 122 lks.
 dist., marked T18S R3W S26 BT.

A mesquite, 4 ins. in dia., brs. N.17°W., 59 lks.
 dist., marked BT.

Land: level, drains SW.

Soil: adobe, 2nd rate.

Timber: none.

Undergrowth: greasewood, sage, mesquite and cactus.

40.00 N.89°59'E., on a random line, bet. secs. 24 and 25.

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

Fall 12 lks. N. of the cor. of secs. 19, 24, 25 and 30, on
 the E. bdy. of the Tp., set under this Group, described
 in Book "E".

Thence

N.89°56'W., on a true line, bet. secs. 24 and 25.

Over level land; thru dense undergrowth.

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

$\frac{1}{4}$ S24
 S25

1925

Survey of the Subdivision of
 Lines of Township 18 South, Range 3 West

Chains

43.70 80.10	<p>from which</p> <p>A mesquite, 6 ins. in dia., brs. N.30°E., 32 lks. dist., marked $\frac{1}{4}$ S24 BT.</p> <p>A mesquite, 6 ins. in dia., brs. S.30°E., 31 lks. dist., marked $\frac{1}{4}$ S25 BT.</p> <p>Dry wash, 10 lks. wide, 10 ft. deep, course S.30°W.</p> <p>The cor. of secs. 23, 24, 25 and 26.</p> <p>Land: level, drains SW.</p> <p>Soil: adobe, 2nd rate.</p> <p>Timber: none.</p> <p>Undergrowth: greasewood, sage, mesquite and cactus.</p>
24.70 40.00	<p>N.0°01'W., bet. secs. 23 and 24.</p> <p>Over level land; thru dense undergrowth.</p> <p>Fence, brs. N.30°W. and S.30°E. Over cultivated land.</p> <p>Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ S23 S24 1925</p>
47.80 80.00	<p>from which</p> <p>A mesquite, 10 ins. in dia., brs. S.67$\frac{1}{2}$°E., 408 lks. dist., marked $\frac{1}{4}$ S24 BT.</p> <p>A mesquite, 10 ins. in dia., brs. N.19$\frac{3}{4}$°W., 96 lks. dist., marked $\frac{1}{4}$ S23 BT.</p> <p>Fence, brs. E. and W. Leave cultivated land.</p> <p>Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for cor. of secs. 13, 14, 23 and 24, with brass cap marked</p> <p style="text-align: center;">T18SR3W S14 S13 S23 S24 1925</p>
40.00 80.12	<p>from which</p> <p>A mesquite, 8 ins. in dia., brs. S.34$\frac{1}{2}$°E., 85 lks. dist., marked T18S R3W S24 BT.</p> <p>A mesquite, 8 ins. in dia., brs. S.3°W., 203 lks. dist., marked T18S R3W S23 BT.</p> <p>A mesquite, 8 ins. in dia., brs. N.83°W., 210 lks. dist., marked T18S R3W S14 BT.</p> <p>No other trees available.</p> <p>Dig pits 18 x 18 x 12 ins., one in each sec. 3 ft. dist.</p> <p>Land: level, drains SW.</p> <p>Soil: adobe, 2nd rate.</p> <p>Timber: none.</p> <p>Undergrowth: greasewood, sage, mesquite and cactus.</p>
40.06	<p>S.89°56'E., on a random line, bet. secs. 13 and 24.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Intersect the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., set under this Group, described in Book "E".</p> <p>Thence</p> <p>N.89°56'W., on a true line bet. secs. 13 and 24.</p> <p>Over level land; thru dense undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ S13 S24 1925</p>

Survey of the Subdivision
Lines of Township 18 South, Range 3 West

Chains

from which
 A mesquite, 5 ins. in dia., brs. N.28°E., 32 lks.
 dist., marked $\frac{1}{4}$ S13 BT.
 A mesquite, 6 ins. in dia., brs. S.49 $\frac{1}{2}$ °E., 62 lks.
 dist., marked $\frac{1}{4}$ S24 BT.

51.30 Dry wash, 20 lks. wide, course S.30°W.
 59.10 Indian road, brs. SE and NW.
 67.10 Indian ditch, 10 lks. wide, 20 chs. long, course SW.
 80.10 The cor. of secs. 13,14,23 and 24.
 Land: level, drains SW.
 Soil: sandy loam and adobe, 1st and 2nd rate.
 Timber: none.
 Undergrowth: greasewood, sage and mesquite.

40.00 N.0°01'W., on a true line, bet. secs. 13 and 14.
 Over level land; thru dense undergrowth.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S14 | S13
 1925

80.00 from which
 A mesquite, 8 ins. in dia., brs. N.1 $\frac{1}{2}$ °E., 78 lks.
 dist., marked $\frac{1}{4}$ S13 BT.
 A mesquite, 8 ins. in dia., brs. N.82°W., 90 lks.
 dist., marked $\frac{1}{4}$ S14 BT.
 Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in
 the ground for cor. of secs. 11,12,13 and 14, with
 brass cap marked

T18SR3W
 S11 | S12
 S14 | S13
 1925

from which
 A mesquite, 6 ins. in dia., brs. N.58 $\frac{1}{2}$ °E., 123 lks.
 dist., marked T18S R3W S12 BT.
 A mesquite, 6 ins. in dia., brs. S.72 $\frac{1}{2}$ °E., 130 lks.
 dist., marked T18S R3W S13 BT.
 A mesquite, 6 ins. in dia., brs. S.54°W., 170 lks.
 dist., marked T18S R3W S14 BT.
 A mesquite, 6 ins. in dia., brs. N.39 $\frac{1}{2}$ °W., 98 lks.
 dist., marked BT (only).
 Land: level, drains SW.
 Soil: sandy loam and adobe, 1st and 2nd rates.
 Timber: none.
 Undergrowth: greasewood, sage and mesquite.

40.00 S.89°56'E., on a random line bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Intersect the cor. of secs. 7,12,13 and 18, on the E.
 bdy. of the Tp., set under this Group, described in
 Book "A".

25.20 Thence
 N.89°56'W., on a true line, bet. secs. 12 and 13.
 Over level land; thru dense undergrowth.
 Enter mesquite thicket, brs. N. and S.
 40.10 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S12
 S13
 1925

Survey of the Subdivision
of Lines of Township 18 South, Range 3 West

Chains

from which

A mesquite, 8 ins. in dia., brs. N.28°E., 44 lks.
dist., marked $\frac{1}{4}$ S12 BT.

A mesquite, 8 ins. in dia., brs. S.86°W., 59 lks.
dist., marked $\frac{1}{4}$ S13 BT.

51.20

Dry wash, 30 lks. wide, course S.

55.20

Leave mesquite thicket, brs. N. and S.

89.20

The cor. of secs. 11, 12, 13 and 14.

Land: level, drains S.

Soil: sandy and adobe, 1st rate.

Timber: none.

Undergrowth: greasewood, sage, mesquite, ironwood, crucifixion and cactus.

40.00

N.0°01'W., bet. secs. 11 and 12.

Over level land; thru dense undergrowth.

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

S11 | S12

1925

from which

A mesquite, 8 ins. in dia., brs. S.24°E., 150 lks.
dist., marked $\frac{1}{4}$ S12 BT.

A mesquite, 8 ins. in dia., brs. N.52 $\frac{1}{4}$ °W., 175 lks.
dist., marked $\frac{1}{4}$ S11 BT.

80.00

Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for cor. of secs. 1, 2, 11 and 12, with brass cap marked

T18SR3W

$$\frac{S2}{S1}$$

S11 | S12

1925

No trees available.

Dig pits 18 x 18 x 12 ins., one in each sec., 3 ft. dist.

Land: level, drains S.

Soil: sandy and adobe, 1st and 2nd rate.

Timber: none.

Undergrowth: greasewood, sage, palo verde and mesquite.

40.00

S.89°56'E., on a random line, bet. secs. 1 and 12.

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

80.24

Fall 2 lks. N. of the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., set under this Group, described in Book "E".

Thence

N.89°55'W., on a true line bet. secs. 1 and 12.

Over level land; thru dense undergrowth.

35.20

Indian road, brs. N.30°W. and S.30°E.

40.12

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\frac{1}{4} S1$$

S12

1925

from which

A mesquite, 8 ins. in dia., brs. S.30 $\frac{1}{2}$ °E., 145 lks.
dist., marked $\frac{1}{4}$ S12 BT.

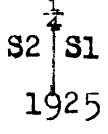
Survey of the Subdivision
Lines of Township 18 South, Range 3 West.

Chains

45.80 A mesquite, 8 ins. in dia., brs. N.51 $\frac{1}{2}$ °W., 58 lks.
 80.24 dist., marked $\frac{1}{4}$ S1 BT.
 Dry wash, 100lks. wide, course S.
 The cor. of secs. 1,2,11 and 12.
 Land: level, drains S.
 Soil: sandy and adobe, 1st and 2nd rates.
 Timber: none.
 Undergrowth: greasewood, sage, palo verde and mesquite.

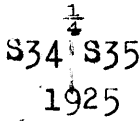
40.00 North, on a random line, bet. secs. 1 and 2.
 79.88 Set temp. $\frac{1}{4}$ sec. cor.
 Fall 22 lks. W. of cor. of secs. 1,2,35 and 36, on the
 N. bdy. of the Tp., hereinbefore described

39.88 Thence
 S.0°09'W., on a true line bet. secs. 1 and 2.
 Over level land; thru dense undergrowth.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

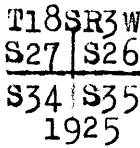


79.88 from which
 A mesquite, 6 ins. in dia., brs. N.36 $\frac{1}{2}$ °E., 77 lks.
 dist., marked $\frac{1}{4}$ S1 BT.
 A mesquite, 6 ins. in dia., brs. S.54 $\frac{1}{2}$ °W., 188 lks.
 dist., marked $\frac{1}{4}$ S2 BT.
 The cor. of secs. 1,2,11, and 12.
 Land: level, drains S.
 Soil: sandy and adobe, 1st and 2nd rates.
 Timber: none.
 Undergrowth: greasewood, sage, palo verde and mesquite.

40.00 From cor. of secs. 34 and 35, and fracl. secs. 2 and 3, on
 S. bdy. of Township, described, in Book "G" of
 this group, on a true line, bet. secs. 34 and 35.
 N.0°01'W., bet. secs. 34 and 35.
 Over level land; thru dense undergrowth.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



50.00 No trees available.
 80.00 Dig pits 18 x 18 x 12 ins., one each N. and S. 3 ft.
 dist.
 Manager's store and house br. E., approx. 20 chs. dist.
 Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in
 the ground for cor. of secs. 26,27,34 and 35, with
 brass cap marked



from which
 A mesquite, 8 ins. in dia., brs. N.70°E., 85 lks.
 dist., marked T18S R3W S26 BT.
 A mesquite, 6 ins. in dia., brs. S.36 $\frac{1}{2}$ °E., 51 lks.
 dist., marked T18S R3W S35 BT

Survey of the Subdivision
 of Lines of Township 18 South, Range 3 West.

Chains

A mesquite, 6 ins. in dia., brs. S.0°30'W., 166 lks. dist., marked T18S R3W S34 BT.
 A mesquite, 4 ins. in dia., brs. N.83°W., 50 lks. dist. dist., marked BT.
 Land: level, drains SE.
 Soil: adobe, 2nd rate.
 Timber: none.
 Undergrowth: mesquite, sage, palo verde and cactus.

40.00 East, on a random line, bet. secs. 26 and 35.
 80.02 Set temp. $\frac{1}{4}$ sec. cor.
 Fall 2 lks. N. of the cor. of secs. 25, 26, 35 and 36.
 Thence
 N.89°59'W., on a true line, bet. secs. 26 and 35.
 24.00 Over level land; thru dense undergrowth.
 29.80 Road, brs. N. and S.
 33.80 Wire fence brs. N. and S.
 34.50 Dry wash, 10 lks. wide, course S.
 40.01 Leave flat; over rolling land. Asc. 69 ft. over E. slope.
 Set an iron post, 3 ft. long, 1 in. in dia., on bedrock, with rock 20 x 12 x 6 ins. marked with cross (+) deposited at bottom, supported by a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S26
 S35.
 1925

No trees available.
 48.20 Asc. 146 ft. over broken E. slope.
 Ridge, brs. N.20°W. and S.20°E. Raise a mound of stone, 3 ft. base, 3 ft. high. Desc. 245 ft. over broken W. slope.
 69.50 Road, brs. NE. to Ajo and SW. to Manager's Dam.
 75.00 Leave hills, br. NE. and SW. Over flat.
 80.02 The cor. of secs. 26, 27, 34 and 35.
 Land: level and heavy rolling.
 Soil: adobe and rocky, 2nd and 4th rates.
 Timber: none.
 Undergrowth: greasewood, sage, mesquite and cactus.

12.00 N.0°01'W., bet. secs. 26 and 27.
 Over level land; thru dense undergrowth.
 Leave flat. Over rolling land, brs. NW. and SE.
 22.80 Asc. 80 ft. over broken SW. slope.
 30.50 Low ridge, brs. NW. and SE. Over broken NE. slope.
 40.00 Leave hills, br. NW. and SE. Over flat.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S27 S26
 1925

80.00 from which
 A mesquite, 6 ins. in dia., brs. S.6°E., 252 lks. dist., marked $\frac{1}{4}$ S26 BT.
 A mesquite, 6 ins. in dia., brs. N.0° $\frac{1}{4}$ 'W., 713 lks. dist., marked $\frac{1}{4}$ S27 BT.
 Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for cpr. of secs. 22, 23, 26 and 27, with brass cap marked

T18SR3W
 S22 S23
 S27 S26
 1925

Survey of the Subdivision
of Lines of Township 18 South, Range 3 West.

Chains

from which

- A mesquite, 6 ins. in dia., brs. N.60½°E., 67 lks. dist., marked T188 R3W S23 BT.
- A mesquite, 5 ins. in dia., brs. S.22½°E., 42 lks. dist., marked T188 R3W S26 BT.
- A mesquite, 4 ins. in dia., brs. S.33°W., 6 lks. dist., marked BT.
- A mesquite, 6 ins. in dia., brs. N.45½°W., 136 lks. dist., marked T188 R3W S22 BT.

Land: level and rolling.
 Soil: sandy loam, adobe and rocky, 1st, 2nd and 4th rates.
 Timber: none.
 Undergrowth: greasewood, sage and mesquite.

40.00
79.98

S.89°59'E., on a random line bet. secs. 23 and 26.
 Set temp. ¼ sec. cor.
 Fall 4 lks. S. of the cor. of secs. 23, 24, 25 and 26.
 Thence

13.00
39.99

S.89°59'W., on a true line bet. secs. 23 and 26.
 Over level land; thru dense undergrowth.
 Road, brs. N.20°E. and S.20°W.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. with brass cap marked

S23
+ S26
1925

from which

- A mesquite, 6 ins. in dia., brs. N.21½°E., 40 lks. dist., marked ¼ S23 BT.
- A mesquite, 6 ins. in dia., brs. S.52°E., 57 lks. dist., marked ¼ S26 BT.

53.00
58.30
62.50
78.30
79.98

Road, brs. N.20°E. to Ajo and S.20°W. to Manager's Dam.
 Dry wash, 20 lks. wide, course S.
 Road, brs. N.20°E. and S.20°W.
 Dry wash, 10 lks. wide, course S.20°E.
 The cor. of secs. 22, 23, 26 and 27.
 Land: level.
 Soil: adobe and sandy loam, 1st and 2nd rates.
 Timber: none.
 Undergrowth: greasewood, sage and mesquite.

6.00
40.00

N.0°01'W. bet. secs. 22 and 23.
 Over level land thru dense undergrowth.
 Dry wash, 10 lks. wide, course S.20°E.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

S22 | S23
1925

from which

- A mesquite, 6 ins. in dia., brs. S.82°E., 107 lks. dist., marked ¼ S23 BT.
- A mesquite, 6 ins. in dia., brs. S.5½°W., 73 lks. dist., marked ¼ S22 BT.

80.00

Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for cor. of secs. 14, 15, 22 and 23, with brass cap marked

T188R3W
S15 S14
S22 S23
1925

Survey of the Subdivision of
the Lines of Township 18 South, Range 3 West

Chains

from which

A mesquite, 6 ins. in dia., brs. N. $9\frac{1}{4}^{\circ}$ E., 151 lks.
dist., marked T18S R3W S14 BT.

A mesquite, 4 ins. in dia., brs. S. 60° E., 130 lks.
dist., marked BT.

A mesquite, 8 ins. in dia., brs. S. $13\frac{1}{2}^{\circ}$ W., 252 lks.
dist., marked T18S R3W S22 BT.

A mesquite, 10 ins. in dia., brs. N. $37\frac{1}{2}^{\circ}$ W., 141 lks.
dist., marked T18S R3W S15 BT.

Land: level.

Soil: sandy loam and adobe, 1st and 2nd rates.

Timber: none.

Undergrowth: greasewood, sage and mesquite.

40.00 N. $89^{\circ}59'$ E., on a random line, bet. secs. 14 and 23.
Set temp. $\frac{1}{4}$ sec. cor.

79.84 Fall 2 lks. N. of the cor. of secs. 13, 14, 23 and 24.
Thence

West, on a true line, between secs. 14 and 23.

Over level land; thru dense undergrowth.

4.80 Enter mesquite thicket, brs. N. and S.

19.80 Leave same, brs. N. and S.

34.80 Road, brs. N. to Ajo and S. to Manager's Dam.

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

$\frac{1}{4}$ S14
 $\frac{1}{4}$ S23
1925

from which

A mesquite, 6 ins. in dia., brs. S. $22\frac{1}{2}^{\circ}$ E., 245 lks.
dist., marked $\frac{1}{4}$ S23 BT.

A catclaw, 6 ins. in dia., brs. N. 4° W., 58 lks.
dist., marked $\frac{1}{4}$ S14 BT.

42.10 3-wire fence, brs. N. and S. Over cultivated land.

51.80 Fence, brs. N. and S. Leave cultivated land.

56.40 Dry wash, 20 lks. wide, course S.

64.30 Corral, 2 chs. square, on line.

Indian shack, brs. N. approx. 4 chs. dist.

65.80 Indian road, brs. N. and S.

79.84 The cor. of secs. 14, 15, 22 and 23.

Land: level.

Soil: sandy loam and adobe, 1st and 2nd rates.

Timber: none.

Undergrowth: greasewood, sage and mesquite.

40.00 N. $0^{\circ}01'$ W., bet. secs. 14 and 15.
Over level land; thru dense undergrowth.
Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S15 S14
1925

from which

A palo verde, 6 ins. in dia., brs. N. $60\frac{1}{2}^{\circ}$ E., 108 lks.
dist., marked $\frac{1}{4}$ S14 BT.

A palo verde, 6 ins. in dia., brs. S. 7° W., 17 lks.
dist., marked $\frac{1}{4}$ S15 BT.

80.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
the ground for cor. of secs. 10, 11, 14 and 15, with
brass cap marked

Survey of the Subdivision
of Lines of Township 18 South, Range 3 West

Chains	
	<p style="text-align: center;">T18SR3W S10 S11 S15 S14 1925</p> <p>from which A mesquite, 6 ins. in dia., brs. N.77$\frac{1}{4}$°E., 96 lks. dist., marked T18S R3W S11 BT. A mesquite, 6 ins. in dia., brs. S. 66$\frac{1}{2}$°E., 100 lks. dist., marked T18S R3W S14 BT. A mesquite, 6 ins. in dia., brs. S.23$\frac{1}{2}$°W., 59 lks. dist., marked T18S R3W S15 BT. A mesquite, 6 ins. in dia., brs. N.26$\frac{1}{2}$°W., 32 lks. dist., marked T18S R3W S10 BT.</p> <p>Land: level. Soil: adobe and sandy, 2nd rate. Timber: none. Undergrowth; greasewood, sage, mesquite, ironwood and palo verde.</p> <hr/> <p>East, on a random line, bet. secs. 11 and 14. Set temp. $\frac{1}{4}$ sec. cor. 40.00 Intersect the cor. of secs. 11,12,13 and 14. 79.90 Thence West, on a true line, bet. secs. 11 and 14. Over level land; thru dense undergrowth. 5.10 Indian road, brs. NW. and SE. 37.50 Road, brs. N. to Ajo and S. to Manager's Dam. 39.95 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$S11 $\frac{1}{4}$S14 1925</p> <p>from which A mesquite, 8 ins. in dia., brs. N.52$\frac{1}{2}$°E., 185 lks. dist., marked $\frac{1}{4}$ S11 BT. A mesquite, 6 ins. in dia., brs. S.28$\frac{1}{4}$°E., 239 lks. dist., marked $\frac{1}{4}$ S14 BT.</p> <p>46.90 Dry wash, 40 lks. wide, course S. 69.70 Indian road, brs. NW. and SE. 72.90 Dry wash, 20 lks. wide, course SE. Small reservoir excavated by Indians, brs. N. 2 chs. dist. 79.90 The cor. of secs. 10, 11, 14 and 15. Land: level. Soil: adobe and sandy, 2nd rate. Timber: none. Undergrowth: greasewood, sage, mesquite and ironwood.</p> <hr/> <p>N.0°01'W., bet. secs. 10 and 11. Over level land; thru dense undergrowth. 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$S10 S11 1925</p> <p>from which A mesquite, 6 ins. in dia., brs. S.1$\frac{1}{2}$°E., 190 lks. dist., marked $\frac{1}{4}$ S11 BT. A mesquite, 6 ins. in dia., brs. N.34$\frac{1}{2}$°W., 75 lks. dist., marked $\frac{1}{4}$ S10 BT.</p>

Survey of the Subdivision of
 the Lines of Township 18 South, Range 3 West

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for cor. of secs. 2, 3, 10 and 11, with brass cap marked

T18SR3W

S3 S2

S10 S11

1925

from which

A palo verde, 8 ins. in dia., brs. N.67°E., 182 lks. dist., marked T18S R3W S2 BT.

A mesquite, 8 ins. in dia., brs. S.17°E., 76 lks. dist., marked T18S R3W S11 BT.

A mesquite, 10 ins. in dia., brs. S.71°W., 96 lks. dist., marked T18S R3W S10 BT.

A mesquite, 6 ins. in dia., brs. N.47½°W., 150 lks. dist., marked T18S R3W S3 BT.

Land: level, drains SE.

Soil: adobe and sandy, 2nd rate.

Timber: none.

Undergrowth: greasewood, sage, mesquite, palo verde and ironwood.

40.00

East, on a random line bet. secs. 2 and 11.

Set temp. ¼ sec. cor.

80.00 Fall 2 lks. N. of the cor. of secs. 1, 2, 11 and 12.

Thence

N.89°59'W., on a true line, bet. secs. 2 and 11.

Over level land; thru dense undergrowth.

40.00

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

¼ S2

¼ S11

1925

from which

A mesquite, 8 ins. in dia., brs. N.62°E., 50 lks. dist., marked ¼ S2 BT.

A mesquite, 10 ins. in dia., brs. S.89°W., 88 lks. dist., marked ¼ S11 BT.

43.00

Road, brs. N. to Ajo and S, to Manager's Dam.

67.00

Dry wash, 40 lks. wide, course S.

80.00

The cor. of secs. 2, 3, 10 and 11.

Land: level, drains S.

Soil: adobe and sandy, 1st and 2nd rates.

Timber: none.

Undergrowth: greasewood, sage, mesquite, palo verde and ironwood.

40.00

N.0°09'E., on a random line, bet. secs. 2 and 3.

Set temp. ¼ sec. cor.

80.00

Intersect the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., hereinbefore described.

Thence

S.0°09'W., on a true line, bet. secs. 2 and 3.

Over level land; thru dense undergrowth.

40.00

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

S3 S2

1925

Survey of the Subdivision of
Lines of Township 18 South, Range 3 West

Chains

from which
 An ironwood, 12 ins. in dia., brs. S. 39 $\frac{1}{2}$ ° E., 126 lks.
 dist., marked $\frac{1}{4}$ S2 BT.
 An ironwood, 10 ins. in dia., brs. S. 69° W., 112 lks.
 dist., marked $\frac{1}{4}$ S3 BT.
 80.00 The cor. of secs. 2, 3, 10 and 11.
 Land: level, drains SE.
 Soil: sandy and adobe, 2nd rate.
 Timber: none.
 Undergrowth: greasewood, sage, palo verde, mesquite and
 ironwood.

From cor. of sec. 34, and frac. secs. 3, 4, and 33, on S. bdy. of
 of Tp., described in Book "G" of this group, ...
 N. 0° 02' W., bet. sec. 34 and frac. sec. 33.
 Over level land; thru dense undergrowth.
 13.30 Dry wash, 50 lks. wide, course SE.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S33 S34
 1925

from which
 An ironwood, 10 ins. in dia., brs. N. 88 $\frac{1}{2}$ ° E., 137 lks.
 dist., marked $\frac{1}{4}$ S34 BT.
 A palo verde, 6 ins. in dia., brs. S. 44 $\frac{1}{2}$ ° W., 115 lks.
 dist., marked $\frac{1}{4}$ S33 BT.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in
 the ground for cor. of secs. 27, 28, and 34, and frac. sec.
 33, with brass cap, marked

T18SR3W
S28 S27
 S33 S34
 1925

from which
 A palo verde, 8 ins. in dia., brs. N. 53 $\frac{1}{2}$ ° E., 98 lks.
 dist., marked T18S R3W S27 BT.
 An ironwood, 8 ins. in dia., brs. S. 58 $\frac{1}{2}$ ° E., 122 lks.
 dist., marked T18S R3W S34 BT.
 An ironwood, 8 ins. in dia., brs. S. 76° W., 160 lks.
 dist., marked T18S R3W S33 BT.
 An ironwood, 6 ins. in dia., brs. N. 64° W., 218 lks.
 dist., marked T18S R3W S28 BT.
 Land: level.
 Soil: adobe, 2nd rate.
 Timber: none.
 Undergrowth: greasewood, sage, palo verde, mesquite and
 ironwood.

40.00 East, on a random line, bet. secs. 27 and 34.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Fall 2 lks. N. of the cor. of secs. 26, 27, 34 and 35.
 Thence
 N. 89° 59' W., on a true line, bet. secs. 27 and 34.
 Over level land; thru dense undergrowth.
 11.50 Un-used road, brs. NW. and SE.
 39.98 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S27
 $\frac{1}{4}$ S34
 1925

Survey of the Subdivision
 Lines of Township 18 South, Range 3 West

Chains

from which

An ironwood, 8 ins. in dia., brs. N.29½°E., 87 lks.
 dist., marked ¼ S27 BT.

A palo verde, 4 ins. in dia., brs. S.24°W., 92 lks.
 dist., marked ¼ S34 BT.

79.98 The cor. of secs. 27, 28, and 34, and frac. sec. 33.

Land: level, drains. SE.

Soil: adobe, 2nd rate.

Timber: none.

Undergrowth: greasewood, sage, mesquite, palo verde,
 ironwood, ocatilla and cactus.

N.0°02'W., bet. secs. 27 and 28.

Over level land; thru dense undergrowth.

9.40 Dry wash, 10 lks. wide, course E.

22.00 Leave flat. Over rolling land, brs. E. and W.

Asc. 175 ft. over broken S. slope.

33.50 Small spur, slopes E. Desc. 52 ft. over broken NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in
 the ground to bedrock, with rock 10 x 10 x 10 ins.,
 marked with cross (+) deposited at bottom, supported
 by a mound of stone, 3 ft. base, 2 ft. high, for ¼
 sec. cor., with brass cap marked

¼
 S28 S27

1925

No trees available.

Desc. 29 ft. over NE. slope.

45.00 Ravine, course SE. Asc. 173 ft. over SW. slope.

52.50 Spur, slopes SE. Desc. 245 ft. over broken NE. slope.

72.50 Leave hills, br. NW. and SE. Over flat.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in
 the ground for cor. of secs. 21, 22, 27 and 28, with
 brass cap marked

T18SR3W
 S21 S22
 S28 S27
 1925

No trees available.

Dig pits 18 x 18 x 12 ins., one in each sec., 3 ft.
 dist:

Land: level and rolling.

Soil: adobe and rocky, 2nd and 4th rates.

Timber: none.

Undergrowth: greasewood, sage, mesquite, ironwood, palo
 verde ocatilla and cactus.

S.89°59'E., on a random line, bet. secs. 22 and 27.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect the cor. of secs. 22, 23, 26 and 27.

Thence

N.89°59'W., on a true line, bet. secs. 22 and 27.

Over level land; thru dense undergrowth.

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

¼
 S22
 S27
 1925

from which

Survey of the Subdivision of
Land in Township 18 South, Range 3 West

<p>Chains</p> <p>53.00</p> <p>55.00</p> <p>80.00</p>	<p>from which</p> <p>A mesquite, 6 ins. in dia., brs. S.11$\frac{1}{4}$°W., 107 lks. dist., marked $\frac{1}{4}$ S27 BT.</p> <p>A mesquite, 6 ins. in dia., brs. N.13°W., 245 lks. dist., marked $\frac{1}{4}$ S22 BT.</p> <p>Old road, brs. N. and S.</p> <p>Wash, 50 lks. wide, course S.</p> <p>The cor. of secs. 21,22,27 and 28.</p> <p>Land: level, drains. SE.</p> <p>Soil: sandy and adobe, 2nd rate.</p> <p>Timber: none.</p> <p>Undergrowth: greasewood, sage, palo verde and mesquite.</p>
<p>17.20</p> <p>35.00</p> <p>40.00</p>	<p>N.0°02'W., bet. secs. 21 and 22.</p> <p>Over level land; thru dense undergrowth.</p> <p>Dry wash, 10 lks. wide, course N.30°E.</p> <p>Dry wash. 20 lks. wide, course SE.</p> <p>Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ S21 S22 1925</p>
<p>67.40</p> <p>80.00</p>	<p>from which</p> <p>A mesquite, 10 ins. in dia., brs. S.20$\frac{1}{2}$°E., 102 lks. dist., marked $\frac{1}{4}$ S22 BT.</p> <p>A mesquite, 8 ins. in dia., brs. S.17°W., 78 lks. dist., marked $\frac{1}{4}$ S21 BT.</p> <p>Dry wash, 20 lks. wide, course SE.</p> <p>Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for cor. of secs. 15,16,21 and 22, with brass cap marked</p> <p style="text-align: center;">T18SR3W S16 S15 S21 S22 1925</p>
<p>40.00</p> <p>80.02</p>	<p>from which</p> <p>A mesquite, 8 ins. in dia., brs. N.47$\frac{1}{2}$°E., 43 lks. dist., marked T18S R3W S15 BT.</p> <p>A mesquite, 8 ins. in dia., brs. S.84$\frac{1}{2}$°E., 167 lks. dist., marked T18S R3W S22 BT.</p> <p>No other trees available.</p> <p>Dig pits 18 x 18 x 12 ins., one in each sec., 3 ft. dist.</p> <p>Land: level, drains SE.</p> <p>Soil: sandy and adobe, 1st and 2nd rates.</p> <p>Timber: none.</p> <p>Undergrowth: greasewood, sage, ironwood, and mesquite.</p>
<p>40.00</p> <p>80.02</p> <p>40.01</p>	<p>S.89°59'E., on a random line, bet. secs. 15 and 22.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Fall 2 lks. N. of the cor. of secs. 14,15,22 and 23.</p> <p>Thence</p> <p>N.89°58'W., on a true line, bet. secs. 15 and 22.</p> <p>Over level land; thru dense undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$S15 S22 1925</p>

Survey of the Subdivision of
 Lines of Township 18 South, Range 3 West

Chains

	<p>from which An ironwood, 8 ins. in dia., brs. N.31°E., 81 lks. dist., marked $\frac{1}{4}$ S15 BT. An ironwood, 10 ins. in dia., brs. S.54°E., 112 lks. dist., marked $\frac{1}{4}$ S22 BT.</p>
65.00	Dry wash, 30 lks. wide, course E.
80.02	The cor. of secs. 15, 16, 21 and 22. Land: level, drains SE. Soil: adobe and sandy, 2nd rate. Timber: none. Undergrowth: greasewood, sage, ironwood, mesquite, palo verde and cactus.

40.00	<p>N.0°02'W., bet. secs. 15 and 16. Over level land: thru dense undergrowth. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ S16 S15 1925</p>
	<p>from which A mesquite, 8 ins. in dia., brs. N.57°E., 91 lks. dist., marked $\frac{1}{4}$ S15 BT. A mesquite, 8 ins. in dia., brs. S.50$\frac{1}{4}$°W., 56 lks. dist., marked $\frac{1}{4}$ S16 BT.</p>
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for cor. of secs. 9, 10, 15 and 16, with brass cap marked
	<p>T18SR3W <u>S9 S10</u> S16 S15 1925</p>
	<p>No trees available. Raise a mound of stone, 3 ft. base, 2$\frac{1}{2}$ ft. high, W. of cor. Land: level, drains SE. Soil: adobe and sandy, 1st and 2nd rates. Timber: none. Undergrowth: greasewood, sage, mesquite, palo verde and cactus.</p>

40.00	S.89°58'E., on a random line, bet. secs. 10 and 15. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Run 16 lks. N. of the cor. of secs. 10, 11, 14 and 15. Thence
40.00	<p>N.89°51'W., on a true line, bet. secs. 10 and 15. Over level land; thru dense undergrowth. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ S10 S15 1925</p>
	<p>No trees available. Raise a mound of stone 3 ft. base, 2$\frac{1}{2}$ ft. high, N. of cor.</p>
72.00	Dry wash, 50 lks. wide, course S.30°E.
80.00	The cor. of secs. 9, 10, 15 and 16. Land: level, drains SE. Soil: adobe and sandy, 1st and 2nd rates.

Survey of the Subdivision
 of Lines of Township 18 South, Range 3 West

Chains

Timber: none.
 Undergrowth: greasewood, sage, mesquite, palo verde and ironwood.

30.00
 40.00

N. 0°02'W., bet. secs. 9 and 10.
 Over gently rolling land; thru dense undergrowth.
 Dry wash, 30 lks. wide, course S. 30°E.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S9 | S10
 1925

80.00

No trees available.
 Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.
 Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for cor. of secs. 3, 4, 9 and 10, with brass cap marked

T18SR3W
S4 | S3
 S9 | S10
 1925

from which

- A mesquite, 6 ins. in dia., brs. N. 70°E., 94 lks. dist., marked T18S R3W S3 BT.
- A mesquite, 6 ins. in dia., brs. S. 70°E., 77 lks. dist., marked T18S R3W S10 BT.
- An ironwood, 10 ins. in dia., brs. S. 71 $\frac{1}{4}$ °W., 189 lks. dist., marked T18S R3W S9 BT.
- A mesquite, 6 ins. in dia., brs. N. 83°W., 103 lks. dist., marked B¹ (only).

Land: level, drains SE.
 Soil: sandy and rocky, 2nd and 3rd rates.
 Timber: none.
 Undergrowth: greasewood, sage, mesquite, palo verde and ironwood.

40.00
 79.90

S. 89°51'E., on a random line, bet. secs. 3 and 10.
 Set temp. $\frac{1}{4}$ sec. cor.
 Fall 14 lks. S. of the cor. of secs. 2, 3, 10 and 11.
 Thence

39.95

N. 89°57'W., on a true line, bet. secs. 3 and 10.
 Over level land; thru dense undergrowth.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S3
 $\frac{1}{4}$ S10
 1925

79.90

No trees available.
 Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
 The cor. of secs. 3, 4, 9 and 10.
 Land: level, drains SE.
 Soil: adobe and sand, 1st and 2nd rates.
 Timber: none.
 Undergrowth: greasewood, sage, palo verde, ironwood, mesquite.

Survey of the Subdivision of
 the Lines of Township 18 South, Range 3 West

Chains

40.00 N. 0°09'E., on a random line, bet. secs. 3 and 4.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.84 Fall 5 lks. E., of the cor. of secs. 3, 4, 33 and 34, on
 the N. bdy. of the Twp., established under this Group,
 hereinbefore described.

Thence
 39.84 S. 0°07'W., on a true line, bet. secs. 3 and 4.
 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S4 S3
 1925

from which

An iron wood, 10 ins. in dia., brs. S. 5°E., 75 lks.
 dist., marked $\frac{1}{4}$ S3 BT.

A mesquite, 6 ins. in dia., brs. N. 14°W., 109 lks.
 dist., marked $\frac{1}{4}$ S4 BT.

79.84 The cor. of secs. 3, 4, 9 and 10.

Land: level, drains SE.

Soil: adobe and sand, 1st and 2nd rates.

Timber: none.

Undergrowth: greasewood, sage, palo verde, mesquite,
 ironwood and cactus.

Sec 33 is rendered a frac. by the United States-Mexico Bdy.
 crossing said sec. by therefore, survey the North bdy. of
 the Sec. due West, as follows:

From the cor. of secs. 27, 28, and 34, and frac. sec. 33, herein-
 before described,

West, on a true line, bet. sec. 28, and frac. sec. 33.

Over level land; thru dense undergrowth.

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

$\frac{1}{4}$ S28
 S33
 1925

from which

A palo verde, 8 ins. in dia., brs. N. 23°E., 48 lks.
 dist., marked $\frac{1}{4}$ S28 BT.

A palo verde, 8 ins. in dia., brs. S. 78°W., 82 lks.
 dist., marked $\frac{1}{4}$ S33 BT.

71.00 Dry wash, 40 lks. wide, course SE.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in
 the ground for cor. of secs. 28, and 29, and frac. secs.
 32 and 33, with the brass cap, marked

T18SR3W
 S29 S28
 S32 S33
 1925

No trees available.

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

Land: level, drains SE.

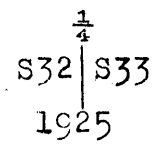
Soil: sandy and adobe, 2nd and 3rd rates.

Timber: none.

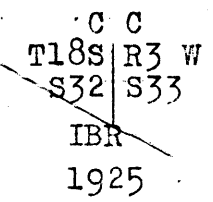
Undergrowth: greasewood, sage, mesquite, ironwood, palo
 verde and cactus.

Survey of Subdivision lines of Township 18 South, Range 3 West. 29

Chains. S.0°2'E., on a true line, bet. frac. secs. 32 and 33.
 Over gently rolling land, thru. dense undergrowth.
 12.70 Wash, 20 lks. wide, course E.
 38.00 Leave gently rolling and enter mountainous land.
 Ascend 29 ft., over N. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., on surface
 rock, deposit a stone marked with a cross (x) at base of
 post, and raise a mound of stone around post, for $\frac{1}{4}$ sec.
 cor., with brass cap, marked

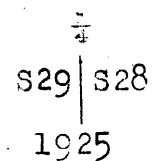


No bearing trees available.
 Ascend 407 ft., over broken N. slope.
 67.50 Spur, slopes E. Desc. 59 ft., over S. slope, to
 68.72 Intersect the Neutral Strip (60 ft. wide) bearing N. 70°10' W.
 and S. 70°10' E. along the United States-Mexico Interna-
 tional Boundary Line.
 At point of intersection,
 Set an iron post, 3 ft. long, 2 ins. in diam., over a cross
 (x) on surface rock, and raise a mound of stone around
 post, for closing cor. of frac. secs. 32 and 33, with
 brass cap, marked

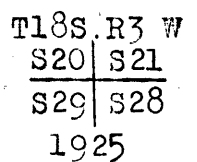


No bearing trees available.
 Continue measurement across Neutral Strip.
 69.69 Intersect the International Boundary Line at a point
 97.36 chs., S. 70°10' E. from Monument No. 162 thereon,
 hereinbefore described.
 Land, gently rolling and mountainous;
 Soil, adobe, sandy and rocky, 3rd and 4th rate.
 Timber, none.
 Undergrowth, greasewood, sagebrush, scrub mesquite, ironwood,
 palo verde and cactus.

From the cor. of secs. 28 and 29, and frac. secs. 32 and 33,
 N. 0°2' W., on a true line, bet. secs. 28 and 29.
 Over level land, thru. dense undergrowth.
 20.50 Wash, 40 lks. wide, course S. 30° E.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor., with brass cap, marked



from which,
 An ironwood, 6 ins. in diam., brs. S. 59 $\frac{1}{2}$ ° E., 146
 lks. dist., marked $\frac{1}{4}$ S 28 BT.
 An ironwood, 4 ins. in diam., brs. S. 88° W., 38
 lks. dist., marked BT.
 70.00 Wash, 20 lks. wide, course S. 20° E.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
 the ground, for cor. of secs. 20, 21, 28 and 29, with
 brass cap, marked



from which,

30 Survey of Subdivision lines of Township 18 South, Range 3 West.

Chains.

An ironwood, 12 ins. in diam., brs. S. 32° E., 61
lks. dist., marked T18S R3W S28 BT.
No other bearing trees available.
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Land, level.
Soil, sandy and rocky, 3rd rate.
Timber, none.
Undergrowth, scrub palo verde, mesquite, ironwood and
cactus.

40.00 East, on a random line, bet. secs. 21 and 28.
Set temp. $\frac{1}{4}$ sec. cor.
79.84 Fall 4 lks. S. of the cor. of secs. 21, 22, 27 and 28,
Thence
S. 89° 58' W., on a true line, bet. secs. 21 and 28.
Over mountainous land; thru. dense undergrowth.
Ascend 137 ft., over NE. slope.
8.50 Spur, slopes N. Desc. 112 ft., over W. slope.
12.40 Ravine, course N. Asc. 190 ft., over E. slope.
19.80 Spur, slopes N. Desc. 156 ft., over W. slope.
29.80 Ravine, course N. Asc. 115 ft., over NE. slope.
39.92 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the
ground to bed rock, deposit a stone, marked with a
cross (x) at base of post, and raise a mound of stone
around post, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$ S 21
S 28
1925

No bearing trees available.
Ascend 92 ft., over broken NE. slope.
54.30 Wide spur, slopes N. Desc. 227 ft., over W. slope.
64.80 Ravine, course S. Asc. 80 ft., over N. slope.
69.80 Spur, slopes SE.
Descend 57 ft., over SW. slope, to
75.00 Thence, over level land.
79.84 The cor. of secs. 20, 21, 28 and 29.
Land, mountainous and level.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, greasewood, sagebrush, scrub mesquite, ironwood
and palo verde.

N. 0° 2' W., on a true line, bet. secs. 20 and 21.
Over level land, thru. dense undergrowth.
3.50 Leave level, and enter mountainous land.
Ascend 391 ft., over broken cliffs, sloping S.
13.30 Spur, slopes SE. Thence along E. slope.
20.00 Descend 214 ft., over broken NE. slope, to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in
the ground to bed rock, deposit a stone marked with a
cross (x) at base of post, and raise a mound of stone
around post, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$
S 20 | S 21
1925

No bearing trees available.
Descend 51 ft., over broken NE. slope, to
50.00 Leave mountainous, and enter gently rolling land.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in

Survey of the Subdivision of
Lines of Township 18 South, Range 3 West

Chains

the ground to bedrock, with rock 12 x 12 x 6 ins. marked with cross (+) deposited at bottom, supported by a mound of stone 3 ft. base, 1 ft. high, for cor. of secs. 16, 17, 20 and 21, with brass cap marked

~~T18SRW~~
S17 | S16
S20 | S21
1925

No trees available.
Land: gently rolling and mountainous.
Soil: rocky, 4th rate.
Timber: none.
Undergrowth: greasewood, sage, mesquite, wild pepper, ironwood, palo verde and several varieties of cactus.

40.00
79.96

N. 89° 58' E., on a random line, bet. secs. 16 and 21.
Set temp. $\frac{1}{4}$ sec. cor.
Fall 12 lks. N. of the cor. of secs. 15, 16, 21 and 22.
Thence

11.30
39.98

N. 89° 57' W., on a true line, bet. secs. 16 and 21.
Over level land; thru dense undergrowth.
Dry wash, 20 lks. wide, course S. 30° E.
Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground to bedrock, with rock, 10 x 10 x 6 ins. marked with cross (+) deposited at bottom, supported by a mound of stone, 3 ft. base, 2 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S16
S21
1925

44.00
71.50
79.96

No trees available.
Enter rolling land, brs. NW. and SE.
Asc. 185 ft. over NE. slope.
Small spur, slopes SE. Desc. 45 ft. over SW. slope.
The cor. of secs. 16, 17, 20 and 21.
Land: level and rolling.
Soil: sand and rocky, 2nd and 3rd rates.
Timber: none.
Undergrowth: greasewood, sage, palo verde, ironwood, mesquite and cactus.

10.00
23.20
40.00

N. 0° 02' W., bet. secs. 16 and 17.
Over rolling land; thru dense undergrowth.
Asc. 75 ft. over S. slope.
Saddle on large spur, which slopes E. Raise a mound of stone, 3 ft. base, 2 ft. high, on line. Desc. 81 ft. over N. slope.
Over gently rolling land.
Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the ground, supported by a mound of stone, 3 ft. base, 2 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S17 | S16
1925

from which
An ironwood, 6 ins. in dia., brs. S. 49 $\frac{1}{2}$ ° E., 40 lks. dist., marked $\frac{1}{4}$ S16 BT.
A n ironwood, 8 ins. in dia., brs. S. 68° W., 113 lks. dist., marked $\frac{1}{4}$ S17 BT.

Survey of the Subdivision
Lines of Township 18 South, Range 3 West

Chains
80.00

Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground to bedrock, with rock 12 x 10 x 10 ins., marked with cross (+) deposited at bottom, supported by a mound of stone, 5 ft. base, 2 ft. high, for cor. of secs. 8,9,16 and 17, with brass cap marked

T18SR3W
S8 S9

S17 S16
1925

No trees available.

Land: rolling.

Soil: sandy and rocky, 2nd and 3rd rates.

Timber: none.

Undergrowth: greasewood, sage, palo verde, mesquite, ironwood and cactus.

40.00
79.98

S.89°57'E., on a random line bet. secs. 9 and 16.

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

Fall 7 lks. S. of the cor. of secs. 9,10,15 and 16.

Thence

West, on a true line, bet. secs. 9 and 16.

Over level land; thru dense undergrowth.

39.99

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

$\frac{1}{4}$ S9
S16
1925

No trees available.

Raise a mound of stone, 2 ft. base, 2 ft. high, N. of cor.

42.00

Dry wash, 10 lks. wide, course SE.

67.00

Leave level; over rolling land.

79.98

The cor. of secs. 8,9,16 and 17.

Land: level and rolling.

Soil: adobe and rocky, 2nd and 3rd rates.

Timber: none.

Undergrowth: greasewood, ironwood, palo verde, mesquite and cactus.

29.40
40.00

N.0°02'W., bet. secs. 8 and 9.

Over gently rolling land; thru dense undergrowth.

Dry wash, 10 lks. wide, course SE.

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

$\frac{1}{4}$ S8
S9
1925

No trees available.

Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

80.00

Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for cor. of secs. 4,5,8 and 9, with brass cap marked

T18SR3W
S5 S4
S8 S9
1925

Survey of Subdivision lines of Township 18 South, Range 3 West. 33

Chains.

from which,
 A mesquite, 12 ins. in diam., brs. N. $46\frac{1}{2}^{\circ}$ E., 25 lks. dist., marked T18S R3W S4 BT.
 A mesquite, 14 ins. in diam., brs. S. $21\frac{1}{2}^{\circ}$ E., 139 lks. dist., marked T18S R3W S9 BT.
 A mesquite, 10 ins. in diam., brs. S. 23° W., 157 lks. dist., marked T18S R3W S8 BT.
 A mesquite, 6 ins. in diam., brs. N. $17\frac{1}{2}^{\circ}$ W., 40 lks. dist., marked T18S R3W S5 BT.

Land, gently rolling.
 Soil, sandy and rocky, 3rd rate.
 Timber, none.
 Undergrowth, greasewood, ironwood, scrub palo verde, mesquite and cactus.

40.00 East, on a random line, bet. secs. 4 and 9.
 80.14 Set temp. $\frac{1}{4}$ sec. cor.
 Fall 5 lks. S. of the cor. of secs. 3, 4, 9 and 10.
 Thence,
 S. $89^{\circ}58'$ W., on a true line, bet. secs. 4 and 9.
 40.07 Over gently rolling land, thru. dense undergrowth.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$ S 4
 S 9
 1925

79.10 No bearing trees available.
 80.14 Raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.
 Continue over gently rolling land, thru. dense undergrowth.
 Wash, 40 lks. wide, course S. 30° E.
 The cor. of secs. 4, 5, 8 and 9.
 Land, gently rolling.
 Soil, rocky, 3rd rate.
 Timber, none.
 Undergrowth, greasewood, ironwood, scrub mesquite, palo verde, and cactus.

40.00 N. $0^{\circ}7'$ E., on a random line, bet. secs. 4 and 5.
 79.90 Set temp. $\frac{1}{4}$ sec. cor.
 Fall 16 lks. W. of the cor. of secs. 4, 5, 32 and 33, on the N. bdy. of the Tp., hereinbefore described.
 Thence,
 S. $0^{\circ}14'$ W., on a true line, bet. secs. 4 and 5.
 Over gently rolling land, thru. dense undergrowth.
 Ascend 34 ft., over N. slope.
 5.90 Low ridge, brs. E. and W. Desc. 74 ft., over S. slope.
 14.90 Over less rugged land.
 39.90 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 5 | S 4
 1925

from which,
 An ironwood, 10 ins. in diam., brs. S. 50° E., 81 lks. dist., marked S 4 BT.
 A palo verde, 10 ins. in diam., brs. S. $14\frac{1}{2}^{\circ}$ W., 58 lks. dist., marked S 5 BT.
 78.10 Wash, 50 lks. wide, course SE.
 79.90 The cor. of secs. 4, 5, 8 and 9.
 Land, rolling.
 Soil, rocky and sandy, 3rd rate.
 Timber, none.
 Undergrowth, greasewood, scrub palo verde, ironwood, mesquite and cactus.

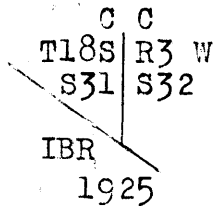
34 Survey of Subdivision lines of Township 18 South, Range 3 West.

Chains.	Sec. 32 is rendered fractional by the United States-Mexico Boundary crossing said section; therefore, survey the N.bdy. of the section due west, as follows:
	From the cor. of secs. 28, 29, and frac. secs. 32 and 33, herein- before described, West, on a true line bet. sec. 29 and frac. sec. 32. Over rolling land, thru. dense undergrowth.
24.00	Leave rolling, and enter mountainous land. Ascend 53 ft., over E. slope.
26+50	Spur, slopes N. Descend 23 ft., over W. slope, to
28.50	Leave mountainous and enter gently rolling land.
30.50	Wash, 30 lks. wide, course NE.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, supported in a mound of stone, for ¼ sec. cor., with brass cap, marked
	$\begin{array}{r} \frac{1}{4} S 29 \\ S 32 \\ 1925 \end{array}$
	from which, An ironwood, 8 ins. in diam., brs. S. 31½° E., 67 lks. dist., marked ¼ S 32 BT. An ironwood, 8 ins. in diam., brs. N. 68° W., 45 lks. dist., marked ¼ S 29 BT.
55.20	Wash, 20 lks. wide, course NE.
58.00	Leave gently rolling, and enter mountainous land. Ascend 194 ft., over E. slope.
75.30	Spur, slopes N. Desc. 84 ft., over NW. slope, to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone, around post, for cor. of secs. 29, 30, and frac. secs. 31 and 32, with brass cap, marked
	$\begin{array}{r} T18S R3 W \\ S30 S29 \\ S31 S32 \\ 1925 \end{array}$
	No bearing trees available. Land, rolling and mountainous. Soil, rocky, 3rd and 4th rate. Timber, none. Undergrowth, greasewood, scrub palo verde, ironwood and mesquite, sagebrush, and several varieties of cactus.

	South, bet. frac. secs. 31 and 32. Over mountainous land, thru. dense undergrowth. Ascend 162 ft., over NW. slope.
5.20	Spur, slopes N. 20° E. Descend 136 ft., over decomposed cliffs, sloping SE.
12.50	Ravine, course NE. Asc. 159 ft., over broken NW. slope.
18.00	Spur, slopes NE. Desc. 52 ft. over SE. slope.
25.00	Ravine, course SE. Asc. 306 ft., over broken N. slope, to
39.85	Intersect the Neutral Strip (60 ft. wide) bearing N. 70° 10' W., and S. 70° 10' E. along the United States-Mexico Interna- tional Boundary Line.
	At point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for closing cor. of frac. secs. 31 and 32 with brass cap, marked

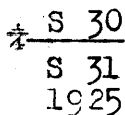
Survey of Subdivision lines of Township 18 South, Range 3 West. 35

Chains.



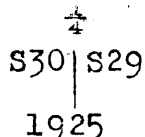
40.82 No bearing trees available.
Continue measurement across Neutral Strip.
Intersect the International Boundary Line at a point 12.11
chs. S.70°10'E. from Monument No.162 thereon, hereinbe-
fore described.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, greasewood, sagebrush, scrub mesquite, palo
verde and cactus.

40.00 From the cor. of secs. 29 and 30, and frac. secs. 31 and 32,
West, on a random line, bet. sec. 30 and frac. sec. 31.
Set temp. 1/4 sec. cor.
80.02 Fall 2 lks. N. of the cor. of sec. 30, and frac. secs. 25, 31, and
36, on the W. bdy. of the Tp., hereinbefore described.
Thence,
N.89°59'E., on a true line, bet. sec. 30, and frac. sec. 31.
Over mountainous land, thru. dense undergrowth.
Ascend 151 ft., over W. slope.
5.80 Spur, slopes S.
Descend 66 ft., over E. slope.
7.20 Head of ravine, course SE.
Ascend 117 ft., over SW. slope.
15.00 Ridge, brs. NW. and SE. Along broken N. slope.
39.40 Spur, slopes N.
Descend 17 ft., over NE. slope, to
40.02 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the
ground to bed rock, deposit a stone marked with a cross
(x) at base of post, and raise a mound of stone around
post for 1/4 sec. cor., with brass cap, marked



No bearing trees available.
Descend 337 ft., over broken NE. slope.
79.70 Small ravine, course N.
80.02 The cor. of secs. 29 and 30, and frac. secs. 31 and 32.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, ironwood, scrub mesquite, wild pepper, palo
verde and cactus.

25.50 N. 0°3' W., bet. secs. 29 and 30.
Over rolling land, thru. dense undergrowth.
Descend 29 ft., over NW. slope.
40.00 Wash, 20 lks. wide, course N. 30° E.
Set an iron post, 3 ft. long, 1 in. in diam., over a cross
(x) marked on surface rock, and raise a mound of stone
around post, for 1/4 sec. cor., with brass cap, marked.



No bearing trees available.
44.80 Wash, 20 lks. wide, course E.
74.70 Wash, 40 lks. wide, course E.

36 Survey of Subdivision Lines of Township 18 South, Range 3 West.

Chains.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked with brass cap,

T18S	R3W
S19	S20
S30	S29
1925	

from which,

A palo verde, 6 ins. in diam., brs. N. 75° E., 24 lks. dist., marked T18S R3W S20 BT.

A palo verde, 6 ins. in diam., brs. S. 38° W., 41 lks. dist., marked T18S R3W S30 BT.

A mesquite, 14 ins. in diam., brs. N. 2° W., 189 lks. dist., marked T18S R3W S19 BT.

No other bearing trees available.

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor. Land, rolling.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, greasewood, ironwood, scrub palo verde, mesquite and cactus.

40.00 East, on a random line, bet. secs. 20 and 29, Set temp. ¼ sec. cor.

80.08 Intersect the cor. of secs. 20, 21, 28 and 29. Thence,

West, on a true line, bet. secs. 20 and 29.

Over gently rolling land, thru. dense undergrowth.

40.04 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bed rock, supported in a mound of stone, for ¼ sec. cor., with brass cap, marked

¼ S 20
¼ S 29
1925

from which,

An ironwood, 12 ins. in diam., brs. S. 0½° E., 74 lks. dist., marked ¼ S 29 BT.

An ironwood, 10 ins. in diam., brs. N. 53½° W., 126 lks. dist., marked ¼ S 20 BT.

Continue over gently rolling land, thru. dense undergrowth.

65.90 Wash, 40 lks. wide, course S. 30° E.
80.08 The cor. of secs. 19, 20, 29 and 30.

Land, gently rolling.

Soil, rocky, 3rd rate.

Timber, none.

Undergrowth, greasewood, scrub mesquite, ironwood, palo verde and cactus.

40.00 S. 89° 59' W., on a random line, bet. secs. 19 and 30. Set temp. ¼ sec. cor.

80.00 Fall 4 lks. S. of the cor. of secs. 19, 24, 30, and frac. sec. 25, on the W. bdy. of the Tp., hereinbefore described.

Thence,

S. 89° 59' E., on a true line, bet. secs. 19 and 30.

Over mountainous land, thru. dense undergrowth.

Ascend 28 ft., over W. slope.

2.40 Spur, slopes NW. Desc. 122 ft., over NE. slope.

13.50 Head of ravine, course N. 20° W.

Ascend 74 ft., over broken NW. slope.

18.00 Ridge, brs. N. 20° E. and S. 20° W.

Survey of the Subdivision
Lines of Township 18 South, Range 3 West

Chains 40.00	Desc. 270 ft. over decomposed cliffs and broken E. slope. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S19 $\frac{1}{4}$ S30 1925
	No trees available. Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
80.00	Over rolling land. Desc. 37 ft. over broken E. slope. The cor. of secs. 19, 20, 29 and 30. Land: rolling and mountainous. Soil: rocky, 3rd and 4th rates. Timber: none. Undergrowth: greasewood, ironwood, palo verde, mesquite and cactus.
	----- N. 0° 03' W., bet. secs. 19 and 20. Over gently rolling land; thru dense undergrowth.
2.20 40.00	Dry wash, 10 lks. wide, course E. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S19 S20 1925
	No trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
53.40	Dry wash, 40 lks. wide, course S. 30° E.
74.00	Enter mountainous land, brs. NE. and SW. Asc. 134 ft. over SE. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground to bedrock, with rock marked with cross (+) deposited at bottom, surrounded by a mound of stone 3 ft. base, 1 $\frac{1}{2}$ ft. high, for cor. of secs. 17, 18, 19 and 20, with brass cap marked
	T18SR3W S18 S17 S19 S20 1925
	No trees available. Land: rolling. Soil: rocky, 3rd and 4th rates. Timber: none. Undergrowth: greasewood, ironwood, palo verde, mesquite and cactus.
	----- East, on a random line, bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Fall 4 lks. S. of the cor. of secs. 16, 17, 20 and 21. Thence
	S. 89° 58' W., on a true line bet. secs. 17 and 20. Over mountainous land; thru dense undergrowth. Asc. 266 ft. over E. slope.
17.50	Spur, slopes SE. Asc. 39 ft. along S. slope.
30.00	Ravine, course SE. Asc. 192 ft. over E. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground, with rock marked with cross (+) deposited

Survey of the subdivision
 Lines of Township 18 South, Range 3 West

Chains

at bottom, surrounded by a mound of stone, 3 ft. base,
 2 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S17
 $\frac{1}{4}$ S20
 1925

No trees available.

Asc. 184 ft. over E. slope.
 47.00 Ridge, brs. N. and S. Desc. 633 ft. over W. slope.
 72.00 Ravine, course SW. Asc. 63 ft. over E. slope.
 80.00 The cor. of secs. 17, 18, 19 and 20.
 Land: mountainous.
 Soil: rocky, 4th rate.
 Timber: none.
 Undergrowth: greasewood, sage, palo verde, ironwood,
 mesquite and cactus.

 N. 89° 59' W., on a random line, bet. secs. 18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.86 Fall 5 lks. N. Of the cor. of secs. 13, 18, 19 and 24, on
 the W. bdy. of the Tp., hereinbefore described.

Thence

N. 89° 59' E., on a true line, bet. secs. 18 and 19.
 Over mountainous land; thru scattering undergrowth.
 Asc. 14 ft. over NW. slope.
 5.40 Spur, slopes NE. Desc. 59 ft. over NE. slope.
 19.90 Ravine, course NW. Asc. 271 ft. over SW. slope.
 26.50 Spur, slopes NW. Desc. 46 ft. over NE. slope.
 34.10 Ravine, course NW. Asc. 97 ft. over SW. slope.
 39.86 Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in
 the ground, with stone marked with cross (+) deposited
 at bottom, surrounded by a mound of stone, 3 ft. base,
 2 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S18
 $\frac{1}{4}$ S19
 1925

No trees available.

Asc. 100 ft. over SW. slope.
 48.90 Ridge, brs. N. and S. Desc. 444 ft. over E. slope.
 69.90 Ravine, course S. Asc. 137 ft. over W. slope.
 79.20 Spur, slopes S. Desc. 25 ft. over SE. slope.
 79.86 The cor. of secs. 17, 18, 19 and 20.
 Land: mountainous.
 Soil: rocky, 4th rate.
 Timber: none.
 Undergrowth: greasewood, sage, mesquite, palo verde,
 ironwood and cactus.

 N. 0° 03' W., bet. secs. 17 and 18.
 Over mountainous land; thru dense undergrowth.
 Asc. 168 ft. over S. slope.
 20.00 Ridge, brs. NW. and SE. Desc. 430 ft. over NE. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in
 the ground, with rock marked with cross (+) deposited
 at bottom, surrounded by a mound of stone, 3 ft. base,
 2 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S18 S17
 1925

No trees available.

Survey of the Subdivision
Lines of Township 18 South, Range 3 West

Chains

Over bottom of canyon.
 42.50 Dry wash, 20 lks. wide, course NW.
 50.00 Asc. 220 ft. over S. slope.
 59.50 Spur, slopes W. Desc. 110 ft. over N. slope.
 64.70 Ravine, course W. Asc. 185 ft. over S. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 4 ins. in
 the ground, with stone marked with cross (+) deposited
 at bottom, surrounded by a mound of stone, 3 ft. base,
 2 ft. high, for cor. of secs. 7,8,17 and 18, with
 brass cap marked

T18SR3W
S7 S8
 S18 S17
 1925

No trees available.
 Land: mountainous.
 Soil: rocky, 4th rate.
 Timber: none.
 Undergrowth: greasewood, sage, palo verde, ironwood and
 cactus.

N.89°58'E., on a random line, bet. secs. 8 and 17.
 40.00 Set temp. 1/4 sec. cor.
 79.88 Fall 14 lks. N. of the cor. of secs. 8,9,16 and 17.
 Thence
 N.89°56'W., on a true line bet. secs. 8 and 17.
 Over mountainous land; thru scattering undergrowth.
 Asc. 502 ft. over NE. slope.
 39.94 Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in
 the ground, with stone marked with cross (+) deposited
 at bottom, surrounded by a mound of stone, 3 ft. base,
 2 ft. high, for 1/4 sec. cor., with brass cap marked

1/4 S8
 S17
 1925

No trees available.
 56.00 Ridge, brs. NW. and SE. Desc. 295 ft. over SW. slope.
 79.88 The cor. of secs. 7,8,17 and 18.
 Land: mountainous.
 Soil: rocky, 4th rate.
 Timber: none.
 Undergrowth: greasewood, mesquite, ironwood, palo verde
 and cactus.

S.89°59'W., on a random line, bet. secs. 7 and 18.
 40.00 Set temp. 1/4 sec. cor.
 79.74 Fall 26 lks. N. of the cor. of secs. 7,12,13 and 18, on
 the W. bdy. of the Tp., hereinbefore described.
 Thence
 N.89°48'E., on a true line, bet. secs. 7 and 18.
 Over mountainous land; thru scattering undergrowth.
 Asc. 209 ft. over SW. slope.
 27.50 Spur, slopes NW. Desc. 155 ft. over SE. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in
 the ground, with stone marked with cross (+) deposited
 at bottom, surrounded by a mound of stone, 3 ft. base
 2 ft. high, for 1/4 sec. cor., with brass cap marked

1/4 S7
 S18
 1925

Survey of the Subdivision
 in Lines of Township 18 South, Range 3 West

Chains

	No trees available.
41.70	Ravine, course NW. Asc. 335 ft. over W. slope.
67.90	Slope changes. Desc. 27 ft. along S. slope.
79.74	The cor. of secs. 7, 8, 17 and 18. Land: mountainous. Soil: rocky, 4th rate. Timber: none. Undergrowth: greasewood, sage, ironwood, palo verde and cactus.

	N. 0° 03' W., bet. secs. 7 and 8. Over mountainous land; thru scattering undergrowth. Asc. 321 ft. over SW. slope.
29.80	Ridge, brs. SE. and NW. Desc. 224 ft. over NE. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground, surrounded by a mound of stone, 2 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S7 S8 - 1925
	No trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
48.00	Ravine, course SE. Asc. 590 ft. over SW. slope.
74.00	Spur, slopes SE. Desc. 158 ft. over NE. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground, with stone marked with cross (+) deposited at bottom, surrounded by a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, for cor. of secs. 5, 6, 7 and 8, with brass cap marked
	T18SR3W <u>S6 S5</u> S7 S8 1925
	No trees available. Land: mountainous. Soil: rocky, 4th rate. Timber: none. Undergrowth: greasewood, sage, palo verde, ironwood, and cactus.

40.00	S. 89° 56' E., on a random line, bet. secs. 5 and 8. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Fall 14 lks. S. of the cor. of secs. 4, 5, 8 and 9. Thence S. 89° 58' W., on a true line, bet. secs. 5 and 8. Over gently rolling land; thru dense undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S5 <u>S8</u> 1925
	No trees available. Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
43.00	Leave rolling; over mountainous land, brs. N. and S. Asc. 566 (total to cor.) ft. over broken NE. slope.
79.00	Cliff, 120 ft. high, 10 chs. long, faces N. 70° E.
80.00	The cor. of secs. 5, 6, 7 and 8.

Survey of the Subdivision
Lines of Township 18 South, Range 3 West

Chains

Land: rolling and mountainous.
Soil: rocky, 3rd and 4th rates.
Timber: none.
Undergrowth: greasewood, sage, ironwood, palo verde,
mesquite and cactus.

40.00 S.89°48'W., on a random line, bet. secs. 6 and 7.
79.92 Set temp. 1/4 sec. cor.
Fall 23 lks. S. of the cor. of secs. 1,6,7 and 12, on the
W. bdy. of the Tp., hereinbefore described.

Thence
6.60 N.89°58'E., on a true line, bet. secs. 6 and 7.
32.00 Over gently rolling land; thru dense undergrowth.
39.92 Dry wash, 10 lks. wide, course SW.
Over mountainous land. Asc. 291 ft. over broken W. slope.
Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in
the ground, with rock 14 x 12 x 4 ins. marked with
cross (+) deposited at bottom, surrounded by a mound
of stone 3 ft. base, 2 ft. high, for 1/4 sec. cor., with
brass cap marked

1/4 S6
S7
1925

52.90 No trees available.
76.90 Asc. 393 ft. over W. slope.
79.92 Ridge, brs. N. and S. Along broken S. slope.
Head of spur, slopes S.30°E. Desc 56 ft. over NE. slope.
The cor. of secs. 5,6,7 and 8.
Land: gently rolling and mountainous.
Soil: rocky, 4th rate.
Timber: none.
Undergrowth: greasewood, sage, palo verde, ironwood and
mesquite and cactus.

40.00 N.0°14'E., on a random line, bet. secs. 5 and 6.
79.84 Set temp. 1/4 sec. cor.
Fall 32 lks. E. of the cor. of secs. 5,6,31 and 32, on
the N. bdy. of the Tp., hereinbefore described.
Thence S
South, on a true line, bet. secs. 5 and 6.
Over mountainous land; thru dense undergrowth.
Desc. 118 ft. over broken NE. slope.
4.60 Small ridge, brs. NW. and SE. Desc. 424 ft. over SW. slope.
25.80 Over rolling land.
27.80 Dry wash, 30 lks. wide, course SE.
39.84 Set an iron post, 3 ft. long, 1 in. in dia., 5 ins. in
the ground, with a rock 10 x 10 x 8 ins. marked with
cross (+) deposited at bottom, surrounded by a mound
of stone 3 ft. base, 2 ft. high, for 1/4 sec. cor., with
brass cap marked

S6 | S5
1925

50.60 No trees available.
78.80 Over mountainous land. Asc. 451 ft. over NE. slope.
79.84 Cliff, 120 ft. high, 10 chs. long, faces S.60°W.
The cor. of secs. 5,6,7 and 8.
Land: gently rolling and mountainous.
Soil: rocky, 4th rate.
Timber: none.
Undergrowth: greasewood, palo verde, ironwood, mesquite
and cactus.

Township 18 South, Range 3 West

GENERAL DESCRIPTION

The township is about equally divided between level and mountainous land, the level land lying in the East half.

The mountains, which, lie in a range from the SouthEast corner of the township to the NorthWest, are of volcanic formation, and are generally very rocky, though not of great height.

The soil is adobe and sandy loam, of good quality and depth, though the climate precludes agriculture except with irrigation.

It has no timber. The undergrowth is of the varieties common to arid lands in Arizona, some of it useful for fuel and fencing purposes.

A reservoir, store and house owned by Manager are located in sec. 35. There are also some Indian residences, which, at the time of the survey, gave little promise of permanence.

Roads run N., S. and E. from Manager's store.

FINAL TESTS

Dec. 17, 1925; examine the adjustment of the instruments and find no errors; then, to test the solar apparatus by comparing its indications from observations made during a.m. and p.m. hours with a meridian established by observation on Polaris, proceed as follows.

At place, and on meridian described on page 2 of Book "D", of this Group, on Dec. 17, 1925, at 3^h 00^m p.m., l.m.t., set off 31°49½' on the lat. arcs and 23°20'S. on the decl. arcs, and determine meridians with the solars, which agree with the true meridian.

Dec. 18, 1925, at 8^h 00^m a.m., l.m.t., with the lat. arcs unchanged, set off 23°21½'S. on the decl. arcs, and determine meridians with the solars, which agree with the true meridians.

These tests, and azimuth comparisons made during the execution of the surveys, prove the instruments to have remained in continued satisfactory adjustment.

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Otis O. Gould, U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 101, Arizona bearing date of the 26th day of September, 1919, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivision lines of

TOWNSHIP 18 SOUTH, RANGE 5 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 101, 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 Arizona

Otis O. Gould
U. S. Transitman

Date May 1, 1926

APPROVAL:

Office of the United States Surveyor General

19

The foregoing field notes of the survey of

executed by

under his special instructions dated 19, 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

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 101, Arizona, bearing date of the 26th day of September, 1919, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, retraced all those parts or portions of the International Boundary Line between the United States and Mexico; and surveyed all those parts or portions of the North and West boundaries, and Subdivision lines of TOWNSHIP 18 SOUTH, RANGE 3 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 retracement 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 101, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement and survey.

Place: Phoenix Ariz Date: May 21 1926

William H. Thorn U.S. Cadastral Engineer

APPROVAL.

OFFICE OF THE U.S. SUPERVISOR OF SURVEYS,

Denver, Colorado, August 23, 1926.

The foregoing field notes of the retracement of part of the International Boundary Line between the United States and Mexico (Mon. No. 162 to Mon. No. 163) and of the survey of the North Boundary, West Boundary and Subdivision lines of TOWNSHIP 18 SOUTH, RANGE 3 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 Otis O. Gould, U.S. Transitman,

under his special instructions dated Sept. 26, 1919, for Group 101, Arizona, 1919, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements and surveys they describe, are hereby approved.

U.S. Supervisor of Surveys

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