

3308

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Book "J"

4-679

BOOK 3308

FIELD NOTES

OF THE RETRACEMENT OF

The East Boundary and part of the North Boundary of

Fractional Township 24 South, Range 21 East and

The United States-Mexico International Boundary Line, Monument N° 98 - Mon. N° 100

RESURVEY of

Part of the North Boundary of Fractional Township 24 South, Range 21 East

and SURVEY of the

Subdivision Lines

and Part of the North Boundary of

FRACTIONAL TOWNSHIP 24 SOUTH, RANGE 21 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Sidney E. Blout,

In the capacity of U. S. Surveyor, under instructions dated November 8, 1915, issued by the United States Surveyor General to govern surveys included in Group No. 64, which were approved by the Commissioner of the General Land Office, November 23, 1915.

Retracement, Resurvey, and Survey commenced Sept. 25, 1916.

Retracement, Resurvey, and Survey completed Oct. 7, 1916.

Executed under Assignment Instructions dated Jan. 14, 1916.

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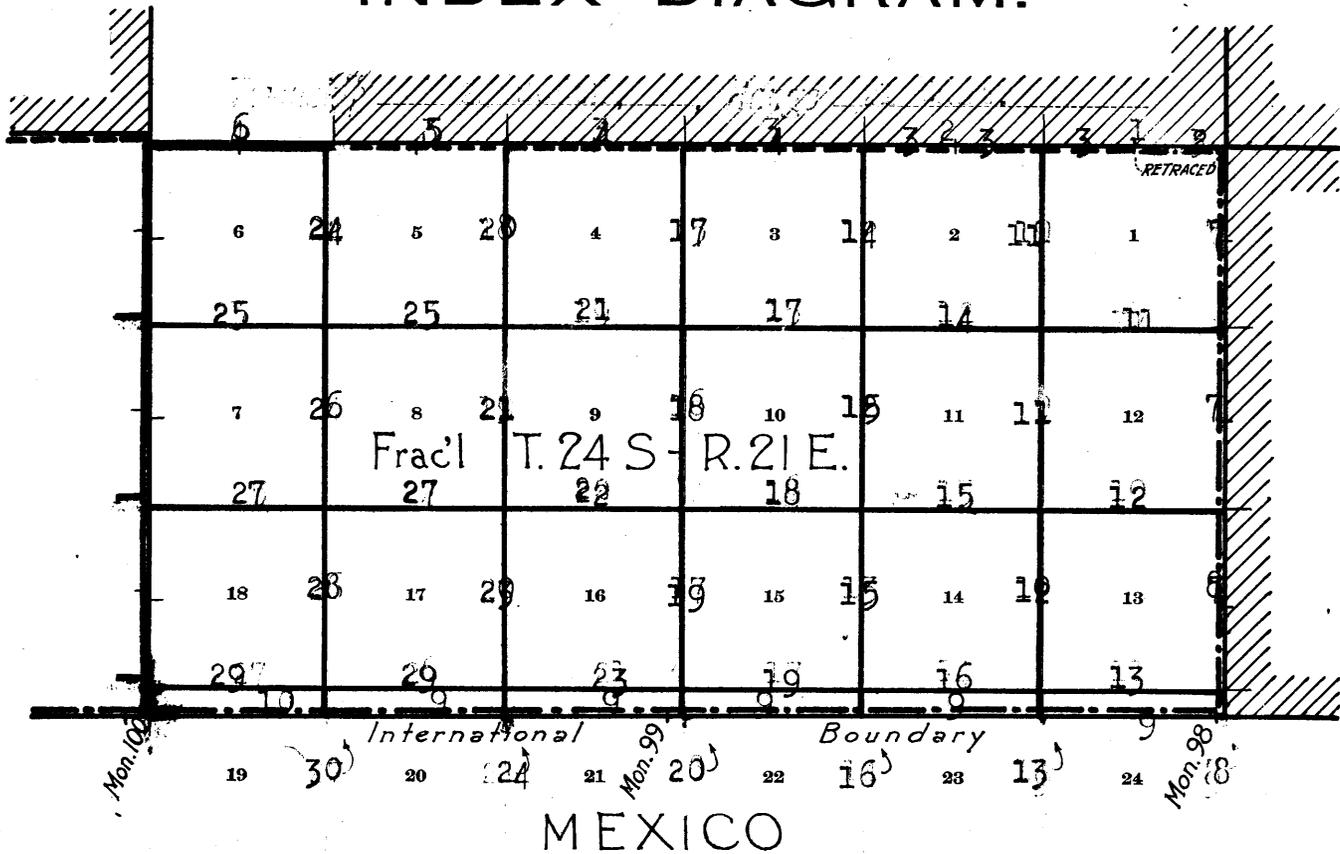
Book "J"

INDEX DIAGRAM

Group 64

BOOK 3308

INDEX DIAGRAM.



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

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3308

Book "J"

Group 64 - - Arizona.

Fracl. Township 24 S., R. 27 East.

DATE DIAGRAM.

	9-26-16	9-26-16	9-25-16	9-25-16	9-25-16	9-25-16	RETRACED
	<i>Resurvey</i>						
9-27-16	6 10-4-16	5 10-3-16	4 10-2-16	3 9-30-16	2 9-29-16	1 9-28-16	
9-27-16	7 10-5-16	8 10-5-16	9 10-2-16	10 9-30-16	11 9-29-16	12 9-28-16	
9-27-16	18 10-6-16	17 10-5-16	16 10-2-16	15 9-30-16	14 9-29-16	13 9-28-16	
Mon 10-30-16	10-6-16	10-5-16	10-2-16	9-30-16	9-29-16	9-28-16	Mon 9-25-16
	10-5-16	10-2-16	9-30-16	9-29-16	9-28-16		Retraced

MEXICO.

2.

Chains.

Retracements, resurveys and surveys hereinafter described were executed on dates shown on diagram on page 1 hereof, by Sidney E. Blout, U.S. Surveyor, using a Buff light mountain transit No. 9984, described with record of test and certificate of approval in Book "F" of this group. Description of later field tests of this instrument are given in Books "G" "H," and "I" and as described below.

FIELD TEST OF INSTRUMENT.

Sept. 23, 1916.

At camp located near the cor. of secs. 4, 5, 32 and 33 on N. bdy. of fracl. T. 24 S., R. 21 E.; latitude, $31^{\circ}22'44''$ N.; longitude, $110^{\circ}13\frac{1}{2}'$ W. at 8h. 25m., p.m., l.m.t., observe Polaris in accordance with the instructions in the Manual, and mark the direction thus determined by a tally pin driven in a stake set in the ground 8.00 chs. N. of instrument.

Time of U.C. Polaris Sept. 24, 1916 for the meridian of Greenwich, civil date and mean time	1h. 20.8m. a.m.
Reduction to local meridian, subtract	1.2m.
U.C. Polaris Sept. 24, 1916, local meridian	1h. 19.6m. a.m.

Time of obs. of Polaris Sept. 23, 8h. 25m. p.m.	8h. 25m.
Hour angle of Polaris at observation	4h. 54.6m.
Azimuth of Polaris at observation,	$1^{\circ}17'$ E.

September 23, 1916/

Sept. 24, 1916. At 7h. a.m., lay off the azimuth of Polaris $1^{\circ}17'$ to the west, and mark the meridian thus determined by a tally pin driven in a stake set in the ground 8.00 chs. N. of instrument.

At 7h. 52m. a.m., l.m.t., set off $31^{\circ}23'$ N. on the lat. arc; $0^{\circ}28'$ S. on the decl. arc, and determine a meridian with the solar, and mark a point thereon by a nail driven in the stake already set 8.00 chs. of instrument. This point falls .5 ins. E. of the meridian determined by the Polaris observation.

At 1h. 52m. p.m., l.m.t., set off $31^{\circ}23'$ N. on the lat. arc; $0^{\circ}34'$ S. on the decl. arc, and determine a meridian with the solar, and mark a point thereon by a nail driven in the stake already set 8.00 chs. N. of instrument. This point falls .8 ins. W. of the meridian established by the Polaris observation.

The solar apparatus by a.m. and p.m. observations defines positions for meridians, respectively about $0'16''$ E. and $0'26''$ W. of the meridian established by the Polaris observations; therefore, conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 8 a.m. is $N.12^{\circ}45'$ W.; the angle thus determined gives the mag. decl. $N.12^{\circ}45'$ E.

A 5.00 chain steel tape, properly adjusted, and clinometer were the instruments employed to determine all distances hereinafter recorded.

September 24, 1916.

RETRACEMENT OF PART OF N. BDY. OF FRACL. T. 24 S., R. 21 E.

Begin retracement at the original cor. of Ts. 23 S., Rs. 21 and 22 E., and fracl. Ts. 24 S., Rs. 21 and 22 E., a redwood post 4 ins. sq., 14 ins. above ground, firmly set, marked "T23SS31" on NE., "R22E S6" on SE., "T24S S1" on SW., and "R21S S36" on NW. face, and 6 notches on each of, N., S.E. and W. edges, and witnessed by pits N., S.E. and W., and mound of earth S. of cor.

Retracement of part of N. bdy. of fract. T. 24 S., R. 21 E. 3

Chains.

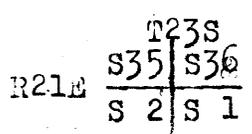
No bearing trees.
Thence,
N. 89° 58' W., on a true line, bet. secs. 1 and 36 (E. 1/2).
Over rolling land, along road, brs. E and W., fenced on S. side.

- .45 A point 45 lks. N. of the NE. cor. of wire fence.
- 29.30 Lindecker's house brs. S. about 10.00 chs. dist.
- 40.10 Intersect the original 1/2 sec. cor. of secs. 1 and 36, a redwood post 4 ins. sq., 14 ins. above ground, firmly set, marked "S36" on N., and "S1" on S. face, and witnessed by pits E. and W., and mound of earth, N. of cor. No bearing trees.

RESURVEY OF PART OF N. BDY. OF FRACL. T. 24 S., R. 21 E.

Begin resurvey at the original 1/2 sec. cor. of secs. 1 and 36, described. above.
Thence,
N. 89° 57' W., on a true line, bet. secs. 1 and 36 (W. 1/2)
Over rolling land, along road bearing E. and W., fenced on S. side.

- 39.54 A point 50 lks. N. of NW. fence cor. Leave E. and W. fence.
- 40.04 Intersect the original cor. of secs. 1, 2, 35 and 36, a redwood post, greatly decayed, broken off at the surface of the ground, with trace of pits and mound. Reestablish this cor. as follows: Remove the decayed end of old post, and in the same place set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, marked on brass cap,



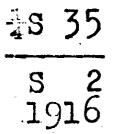
1916

Dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and scatter the earth. The new pits obliterate the old ones.

Land, rolling valley, slopes to the east.
Soil, sandy and gravelly clay loam about 14 ins. deep, 2nd rate.
No timber or undergrowth.
Good grass.

N. 89° 57' W. on a true line, bet. secs. 2 and 35 (E. 1/2).
Over rolling land, along road, bearing E. and W., fenced on N. side.

- 4.60 A house brs. N. about 250 lks. dist.
- 40.00 Intersect the original 1/2 sec. cor. of secs. 2 and 35, a redwood post, greatly decayed with marks almost obliterated. No cor. accessories visible. Reestablish cor. in same place as follows: Remove old post and in same place, set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/2 sec. cor., marked on brass cap,

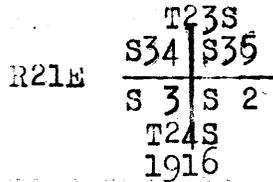


Dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist., and scatter the earth.
The SW. cor. of wire fence brs. N. 45 lks. dist.
Howard Gruhe's house brs. S. 40° E. about 3.00 chs. dist.
Thence,
N. 89° 57' W., on true line, bet. secs. 2 and 35 (W. 1/2).

4. Retracement of part of N. bdy. of fract. T. 24 S. R. 21 E.

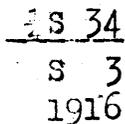
Chains.

Over rolling land, along road bearing E. and W. No fences. No trace of original $\frac{1}{4}$ sec. cor. can be found after diligent search; therefore, at
 40.10 (One-third of dist. bet. existing cors. E. and W.), Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 2, 3, 34 and 35, marked on brass cap.



Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling valley, slopes to the east. Soil, sandy and gravelly loam, about 12 ins. deep, 2nd rate. No timber or undergrowth. Good grass.

N. $89^{\circ}57'W.$, on a true line, bet. secs. 3 and 34.
 Over rolling land, along road, bearing E. and W.
 .45 A point 45 lks. N. of the NE. cor. of wire fence. Thence along road, with fence bearing E. and W. on S. side of road.
 34.90 Shallow wash, 6 lks. wide, course N. $50^{\circ}E.$
 40.05 A point 45 lks. N. of NW. cor. of wire fence. Leave fence on S. side of road.
 No trace of original $\frac{1}{4}$ sec. cor. can be found after diligent search; therefore at
 40.10 (One-third of dist. bet. existing cors. E. and W.) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor., marked on brass cap.



Dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and scatter the earth.
 80.20 Intersect the original cor. of secs. 3, 4, 33 and 34, a limestone 14x10x8 ins., loosely set, marked with 3 notches on each of E. and W. edges. No cor. accessories visible. This cor. being in a dilapidated condition, reestablish it in the same place, as follows: Reset the same stone, 12 ins. in the ground, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Land, rolling valley, slopes to the east. Soil, sandy and gravelly loam, about 10 ins. deep, 2nd rate. No timber or undergrowth. Good grass.

N. $89^{\circ}53'W.$, on a true line, bet. secs. 4 and 33 (E. $\frac{1}{2}$).
 Over rolling land, along road, bearing E. and W. No fences.
 37.00 Leave road, brs. S. $50^{\circ}W.$ from E.
 40.00 Intersect the original $\frac{1}{4}$ sec. cor., a limestone, 16x12x12 ins. loosely set, marked " $\frac{1}{4}$ S33" on N. and "S4" on S. face. No cor. accessories visible. Reestablish this cor. in the same place as follows. Reset the same stone 12 ins. in the ground. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Thence,
 N. $89^{\circ}58'W.$, on a true line bet. secs. 4 and 33 (W. $\frac{1}{2}$).
 Over rolling land.

Resurvey of part of the N.bdy. of fract. T.24 S., R.21 E. 5.

Chains

- 17.00 Wash, 20 lks. wide, course S.70° E.
- 37.10 Same road as described in E. $\frac{1}{2}$, bet. secs. 4 and 33, brs. N. 60° W. and S. 60° E.
- 40.12 Intersect the original cor. of secs. 4, 5, 32 and 33, a limestone 12x10x8 ins. above ground, firmly set, marked with 4 notches on E. and 2 notches on W. edge, and witnessed by pits NE., SE., SW. and NW., and mound of earth, W. of cor. No bearing trees.
Land, rolling, valley, slopes to the east.
Soil, gravelly and clay loam, about 8 ins. deep, 2nd rate.
No timber, or undergrowth.
Good grass.

N. 89° 56' W., on a true line, bet. secs. 5 and 32 (E. $\frac{1}{2}$).
Over rolling land. No undergrowth.

- 9.40 Wash, 16 lks. wide, 8 ft. deep, course S. 40° E.
- 11.00 Enter scattering timber, brs. N. 40° W. and S. 40° E.
- 28.40 Wash, 15 lks. wide, 10 ft. deep, course N. 50° E.; leave rolling, and enter mountainous land. Ascend 427 ft. on E. slope, to
- 39.83 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 5 and 32, a porphyry stone 6x10x10 ins. above ground, firmly set, marked "S32" on N., and "5" on S. face, and witnessed by one bearing tree SW. and one NW. of cor. The length of the E. $\frac{1}{2}$ bet. secs. 5 and 32 being out of limits, Reestablish this cor. to refer to sec. 32 only, as follows: Obliterate marking on S. face of stone, and on the SW. bearing tree.
Thence,
N. 89° 54' W., on a true line, continuing measurement of N. bdy. of sec. 5.
Over mountainous land, thru scattering timber. Ascend over E. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 5, marked on brass cap,

1 S 5
1916

From which,

- An oak, 6 ins. in diam., brs. S. 72 $\frac{1}{2}$ ° E., 50 lks. dist., marked $\frac{1}{4}$ S 5 B T.
- An oak, 10 ins. in diam., brs. S. 51 $\frac{1}{2}$ ° W., 43 lks. dist., marked $\frac{1}{4}$ S 5 B T.
- Ascend 230 ft. on E. slope.
- 52.63 Spur, slopes N. 20° E. Descend 72 ft. over NW. slope.
- 57.78 Ravine, 10 lks. wide, course N. Ascend 25 ft. on E. slope.
- 66.93 Spur, slopes N. 30° E. Descend 42 ft. on NW. slope.
- 70.00 Ravine, 15 lks. wide, course N. 20° E. Ascend 85 ft. on NE. slope, to
- 79.20 (39.57 chs. N. 89° 54' W. from $\frac{1}{4}$ sec. cor. of sec. 32)
Intersect the original cor. of secs. 5, 6, 31 and 32, a porphyry stone 10x12x12 ins. above ground, firmly set, marked with 5 notches on E., and 1 notch on W. edge, and witnessed by one bearing tree NE., one SE., one SW., and one NW. of cor. Reestablish this cor. to refer to secs. 31 and 32 only, by obliterating marking on the SE. and SW. bearing trees. The original survey of this Tp. bdy. was discontinued at this cor.
Thence,
West on true line, continuing measurement of N. bdy. of sec. 5.
Over mountainous land, thru scattering timber; ascend on NE. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 5 and 6, T. 24 S., R. 21 E., marked on brass cap,

6. Resurvey of part of the N. bdy. of fracl. T. 24 S., R. 21 E.

Chains.

S6 | S5
T24S | R21E

1916

from which,

An oak, 10 ins. in diam., brs. S. 48° E., 120 lks. dist., marked T 24 S R21E S5 BT.

An oak, 14 ins. in diam., brs. S. 47½° W., 50 lks. dist., marked T 24S R21E S6 BT.

Land, rolling and mountainous.

Soil, gravelly and rocky, 2nd and 3rd rate.

Timber, scattering oak and juniper.

No undergrowth.

Good grass.

SURVEY OF PART OF N. BDY. OF FRACL. T. 24 S., R. 21 E.

West on north bdy. of sec. 6.

Over mountainous land, thru scattering timber and dense undergrowth. Ascend 220 ft. on NE. slope.

9.50 Rocky spur, slopes N. 10° W. Descend 304 ft. over SW. slope.

21.50 Ravine, 15 lks. wide, course N. Ascend 60 ft. on E. slope.

25.00 Spur, slopes N. Descend 107 ft. on W. slope.

35.60 Dry bed of Ash Creek, 40 lks. wide, course N. 20° E. in Ash Canyon. Ascend 259 ft.

39.20 (40.00 chs. W. from cor. of secs. 31 and 32), Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor., of sec. 31, T. 23S R21 E, marked on brass cap.

S 31

1916

from which,

An oak, 6 ins. in diam., brs. N. 48½° E., 61 lks. dist., marked ¼ S 31 BT,

An oak, 6 ins. in diam., brs. N. 3½° E., 12 lks. dist., marked ¼ S 31 BT.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., of sec. 6, marked on brass cap,

S 6

1916

from which,

An oak, 10 ins. in diam., brs. S. 46½° E., 44 lks. dist., marked ¼ S 6 B T.

An oak, 8 ins. in diam., brs. S. 28° W., 88 lks. dist., marked ¼ S 6 B T.

58.90 Spur, slopes N. 70° E. Descend 30 ft.

59.50 Ravine, 30 lks. wide, course N. 60° E.

64.50 Ravine, 30 lks. wide, course S. 60° E.

64.80 Road, brs. N. 40° E. and S. 40° W.

67.00 Same ravine, course N. 70° E.; ascend along SE. slope.

75.35 Road, brs. N. 60° E. and S. 60° W.

77.35 Same ravine, 20 lks. wide, 15 ft. deep, course S. 60° E.; ascend 20 ft.

77.58 Intersect N. and S. line, 225 lks. S. of the original cor. of Ts. 23 S., Rs. 20 and 21 E., and fracl. Ts. 24 S., Rs. 20 and 21 E., a limestone, 8x8x8 ins. above ground, firmly set, marked with 6 notches on each of E., W., N. and S. edges, and witnessed by one bearing tree, NE. one SE., one SW., and one NW., and mound of stone S. of

Survey of part of the N. bdy. of fracl. T.24 S., R.21 E. 7.

Chains.

cor. Reestablished this cor. to refer to T.23 S., R.20 E., and fracl. T.24 S., R.20 E. only by obliterating notches on E. edge of stone, obliterating markings on NE. and SE. bearing trees, and moving stone mound from S. to W. of cor.

At the point of intersection, Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished cor. of T.23 S., R.21 E., and fracl. T.24 S., R.21 E., marked on brass cap,



1916

from which,

An oak, 10 ins. in diam., brs. N. 58° E., 107 lks. dist., marked T23S R21E, S31 BT.

An oak, 6 ins. in diam., brs. S. 69½° E., 40 lks. dist., marked T24S R21E S6BT.

Land, mountainous. Soil, gravelly and rocky, 3rd and 4th rate. Timber, scattering oak and juniper. Undergrowth, dense scrub oak, juniper, pinyon, and mountain mahogany. Good grass.

Retracement of E. bdy. of fracl. T.24 S., R.21 E.

Begin retracement at the original cor. of Ts. 23 S., Rs. 21 and 22 E., Fracl. Ts. 24 S., Rs. 21 and 22 E., hereinbefore described.

Thence, S. 0° 7' E., on a true line, bet. secs. 1 and 6 (N. ½). Over rolling land; no undergrowth.

.46 A point about 50 lks. E. of NE. cor. of wire fence. Thence along E. side of fence bearing N. and S.
40.00 Intersect the original ¼ sec. cor., a redwood post, 4 ins. square, 14 ins. above ground, firmly set, marked "1/4 S 1" on W., and "S6" on E. face, and witnessed by pits N. and S., and mound of earth W. of cor.

No bearing trees. Cor. is about 50 lks. E. of SE. fence cor. Thence, S. 0° 8' E., on true line, bet. secs. 1 and 6 (S. ½). Over rolling land. No undergrowth. No fences on either side of line.

1.90 Wash, 10 lks. wide, 3 ft. deep, course S. 70° E.
21.60 Wash, 15 lks. wide, 3 ft. deep, course E.
39.60 Wash, 20 lks. wide, 5 ft. deep, course E.
40.04 Intersect the original cor. of secs. 1, 6, 7 and 12, a redwood post, 4 ins. square, 12 ins. above ground, firmly set, marked "T24SS6" on NE., "R22E S7" on SE., "S12" on SW, and "R21ES1" on NW. face, and 1 notch on N., and 5 notches on S. edge, and witnessed by pits NE., SE., SW. and NW., and mound of earth W. of cor. No bearing trees.

Land, rolling. Soil, sandy and gravelly clay loam, 2nd rate. No timber or undergrowth. Good grass.

S. 0° 9' E., on true line, bet. secs. 7 and 12 (N. ½). Over rolling land, thru scattering undergrowth.

.43 Wire fence, brs. E. and W. The NE. cor. of fence brs. E. about 50 lks. dist. Thence along W. side of wire fence

8 Retracement of E. bdy. of fractl. T.24 S..R.21 E.

Chains.

- bearing N. and S. about 50 lks.E. of line.
- 17.50 Road, brs. N.50° E. and S.50° W.
- 28.70 Wash, 5 lks.wide, course S.60°E.
- 40.08 Intersect the original $\frac{1}{4}$ sec.cor. of secs.7 and 12, a red-wood post, 4 ins. in diam., 12 ins. above ground, firmly set, marked "S12" on W., and "S7" on E.face, and witnessed by pits N. and S., and mound of earth W. of cor. No bearing trees. This cor. is in wire fence, bearing E. and W. at point about 20 lks.W. from intersection with wire fence bearing N. and S.
- Thence,
S.0° 8' E., on true line, bet. secs. 7 and 12 (S. $\frac{1}{2}$).
Over rolling land, thru. scattering undergrowth, along W. side of fence, bearing N. and S.
- 20.00 A point about 20 lks.W. of SW. fence cor. Leave fence.
- 39.60 Wire fence, brs.E. and W.
- 39.70 Road brs.E. and W.
- 40.04 Intersect the original cor. of secs. 7,12, 13 and 18, a red-wood post, 4 ins.square, 12 ins, above ground, firmly set, marked "T24S S7" on NE., "R22E S18" on SE., "S13" on SW., and "R21E S12" on NW. face, and 2 notches on N. and 4 notches on S.edge, and witnessed by pits NE., SE., SW. and NW., and mound of earth W.of cor. No bearing trees.
- Land, rolling.
Soil, sandy and gravelly, 2nd and 3rd rate.
No timber.
Undergrowth; scattering scrub mesquite and greasewood.
Good grass.
-
- S.0° 9'E., on true line, bet. secs.13 and 18 (N. $\frac{1}{2}$).
Over rolling land, thru.scattering undergrowth.
- .25 Wash, 20 lks.wide, 3 ft. deep, course S.70°E.
- 16.40 North edge of draw, brs.E. and W. Thence across draw, course E.
- 19.60 Wire fence, brs.E. and W. The NE.cor.of fence brs.W.about 50 lks.dist. Thence along E.side of fence, bearing N. and S. about 50 lks.W.of line.
- 21.40 Wash, 40 lks.wide, 3 ft. deep, course E. Continue across draw.
- 22.00 House brs.W. about 10 chs.dist.
- 24.50 South edge of draw, brs.E. and W. Leave draw.
- 34.00 Wash, 15 lks.wide, course S.50° E.
- 40.00 Intersect the original $\frac{1}{4}$ sec.cor. of secs. 13 and 18, a redwood post, 4 ins. square, 12 ins. above ground, firmly set, marked "S13" on W., and "S18" on E.face, and witnessed by pits N.and S., and mound of earth W.of cor. No bearing trees. The SE.cor.of wire fence brs. W. about 40 lks.dist.
- Thence,
S.0° 6'E., on true line, bet. secs. 13 and 18 (S. $\frac{1}{2}$).
Over rolling land, thru.scattering undergrowth.
- 11.50 Wash, 25 lks.wide, course S.70° E.
- 22.00 Wash, 40 lks. wide, course east.
- 27.80 Wash, 35 lks.wide, course east.
- 39.98 Intersect the original cor.of secs. 13 and 18, and fractl. secs.19 and 24, a granite stone, 14x15x14 ins. above ground, firmly set, marked with 3 notches on each of N.and S. edges and witnessed by mound of stones W.of cor. No bearing trees.
- Land, rolling.
Soil, sandy and gravelly, 2nd and 3rd rate.
No timber.
Undergrowth, scattering scrub mesquite and greasewood.
Good grass.
-
- S.0° 6' E., on a true line, bet. fractl. secs.19 and 24.
Over rolling land, thru.scattering undergrowth.

Retracement of E. bdy. of fracl. T. 24 S., R. 21 E. 9.

Chains
 4.00 Wash, 10 lks. wide, 5 ft. deep, course east.
 12.30 Intersect the original closing cor. of fracl. secs. 19 and 24, and fracl. Ts. 24 S., Rs. 21 and 22 E. on the International bdy. between the United States and Mexico, a granite stone 12x12x6 ins. above ground, firmly set, marked "C C T24 S" on N., "R22E 19" on E., "R21E24" on W. and "MEX" on S. face, and witnessed by mound of stone N. of cor. No bearing trees.
 Land, rolling.
 Soil, sandy and gravelly, 2nd and 3rd rate.
 No timber.
 Undergrowth, scattering scrub mesquite and greasewood.
 Good grass.

 RETRACEMENT OF INTERNATIONAL BDY. BET. THE UNITED STATES AND MEXICO, MON. 98 TO MON. 100, S. OF FRACL. T24S., R21 E.

Begin Retracement at Monument No. 98, a stone in mound of stones, at point on the International bdy., 1.73 chs. W. from closing cor. of fracl. Ts. 24 S., Rs. 21 and 22 E.
 Thence, S. 89° 43' W., on true line, toward Mon. No. 99.
 Over rolling land, clear of timber or undergrowth; ascend gradually.
 14.50 Wash, 20 lks. wide, course S. 60° E.
 78.74 (80.47 chs. westerly from closing cor. of fracl. secs. 19 and 24) Intersect the closing cor. of fracl. secs. 23 and 24, hereinafter described.
 Thence S. of fracl. sec. 23.
 Continuing line and measurement.
 Over rolling land. No undergrowth; ascend gradually.
 158.94 (80.20 chs. S. 89° 43' W. from closing cor. of fracl. secs. 23 and 24) Intersect the closing cor. of fracl. secs. 22 and 23, hereinafter described.
 Thence, south of fracl. sec. 22.
 Continuing line and measurement.
 Over rolling land. No undergrowth; ascending.
 220.34 Wash, 20 lks. wide, course S. 70° E.
 239.12 (80.18 chs. S. 89° 43' W., from closing cor. of fracl. secs. 22 and 23).
 Intersect the closing cor. of fracl. secs. 21 and 22, hereinafter described.
 Thence S. of fracl. sec. 21.
 Continuing line and measurement.
 Over rolling land. No undergrowth; ascending.
 248.21 (89.09 chs. S. 89° 43' W. from closing cor. of fracl. secs. 21 and 22) Intersect Monument No. 99, a sectional cast iron monument 6 ft. high, 12 ins. square, at base, 9 ins. square at top, firmly set in masonry foundation.
 Land, rolling, slopes to the east.
 Soil, sandy and gravelly, 2nd and 3rd rate.
 No timber or undergrowth.
 Good grass.

 From Monument No. 99,
 S. 89° 43' W. on true line, toward Monument No. 100, over rolling land. No undergrowth. Ascend over gradual SE. slope.
 71.18 (80.27 chs. S. 89° 43' W., from closing cor. of fracl. secs. 21 and 22) Intersect the closing cor. of fracl. secs. 20 and 21, hereinafter described.
 Thence S. of fracl. sec. 20.
 Continuing line and measurement.
 Over rolling land. No undergrowth. Ascend gradual SE. slope.
 90.48 Wash, 30 lks. wide, course S. 20° E.
 113.08 Ravine, 15 lks. wide, course S. 40° E.
 151.05 (79.87 chs. S. 89° 43' W. from closing cor. of fracl. secs.

10. Retracement United States- Mexico Boundary.

Chains.	20 and 21) Intersect the closing cor. of fracl. secs. 19 and 20, hereinafter described. Thence south of fracl. sec. 19. Continuing line and measurement. Over mountainous land, thru scattering undergrowth; desc. 34 ft. on SW. slope.
152.68	Ravine, 15 lks. wide, course south. Ascend 55 ft. on E. slope.
174.78	Spur, slopes SE. Descend 18 ft. on SW. slope.
176.38	Ravine, 15 lks. wide, course S. 40° E. Ascend 161 ft. on NE. slope.
186.78	Spur, slopes S. 30° E. Descend 10 ft. on SW. slope.
187.78	Ravine, 20 lks. wide, course S. 30° E. Ascend 224 ft. on NE. slope.
208.78	Spur, slopes S. 40° E. Descend 12 ft. on SW. slope.
212.78	Ravine, 20 lks. wide, course S. 30° E. Ascend 28 ft. on NE. slope.
213.78	Spur, slopes S. 30° E. Descend 16 ft. on SW. slope.
218.68	Ravine, 20 lks. wide, course S. 40° E. Ascend 289 ft. on NE. slope, to
228.78	(77.73 chs. S. 89° 43' W. from closing cor. of fracl. secs. 19 and 20). Intersect the closing cor. of fracl. secs. 19 and 24, and fracl. Ts. 24 S., Rs. 20 and 21 E. described in Book "K" of this group. Thence S. of fracl. sec. 24, fracl. T. 24 S., R. 20 E. Continuing line and measurement. Over mountainous land, thru scattering undergrowth. Asc. 274 ft. on SE. slope, to
241.06	(12.28 chs. S. 89° 43' W. from closing cor. of fracl. secs. 19 and 24, and fracl. Ts. 24 S., Rs. 20 and 21 E.) Intersect Monument No. 100, a sectional cast iron monument, 6 ft. high, 12 ins. square at base, 9 ins. square at top, firmly set in masonry base. Land, rolling and mountainous. Soil, sandy, gravelly and rocky clay loam, 2nd, 3rd and 4th rate. No timber. No undergrowth on rolling land. Scattering undergrowth of scrub oak on mountainous land. Good grass.

Boundaries of fracl. Township 24 South, Range 21 East.
Latitudes, departures, and closing errors.

Lines designated,	True course.	Dist.	Latitudes: Departures.			
			N.	S.	E.	W.
South boundary, (U.S. Mex. Bdy.)	West, S. 89° 43' W.	1.73 476.99		2.36		1.73 476.99
West boundary,	North,	254.93	254.93			
North boundary,	East, S. 89° 54' E.	78.38 39.57		0.07	78.38 39.57	
	S. 89° 56' E.	39.63		.04	39.63	
	S. 89° 58' E.	40.12		.02	40.12	
	S. 89° 53' E.	40.00		.08	40.00	
	S. 89° 57' E.	200.34		.17	200.34	
	S. 89° 58' E.	40.10		.02	40.10	
East boundary,	S. 0° 7' E.	40.00		40.00	.08	
	S. 0° 8' E.	40.04		40.04	.09	
	S. 0° 9' E.	40.08		40.08	.10	
	S. 0° 8' E.	40.04		40.04	.09	
	S. 0° 9' E.	40.00		40.00	.11	
	S. 0° 6' E.	52.28		52.28	.09	
Convergency,					.24	
	Totals,		254.93	255.20	478.94	478.72
	Error in latitude,			0.27		
	Error in departure,				0.22	

Subdivision of fract. Township 24 South, Range 21 East. 11.

Chains.

Begin at the reestablished cor. of secs. 1, 2, 35 and 36, on N. bdy. of the Tp., hereinbefore described,

Thence,

S. 0° 01' E., bet. secs. 1 and 2.

Over rolling land. No undergrowth.

.10 Road, brs. E. and W.

.50 A point 50 lks. W. of the NW. cor. of wire fence. Thence along W. side of fence, bearing N. and S.

24.00 Wash, 15 lks. wide, 3 ft. deep, course S. 70° 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., marked on brass cap,

T2S2 | S1

1916

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and scatter the earth.

SW. cor. of fence, brs. E. about 50 lks. dist.

Leave fence.

57.20 Road brs. N. 60° E. and S. 60° W.

71.20 Wash, 15 lks. wide, 2 ft. deep, course S. 70° E.

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

T24S | R21E

S 2 | S 1

S11 | S12

1916

Dig pits, 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and scatter the earth.

Land, rolling valley, slopes to the E.

Soil, rich sandy loam, about 12 ins. deep, 2nd rate.

No timber or undergrowth.

Good grass.

S. 89° 58' E., on a random line, bet. secs. 1 and 12.

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

80.26 Intersect E. bdy. of Tp., 5 lks. N. of the original cor. of secs. 1, 6, 7 and 12, hereinbefore described.

Thence,

N. 89° 56' W., on a true line, bet. secs. 1 and 12.

Over rolling land. No undergrowth. Along N. side of wire fence bearing E. and W. about 50 lks. S. of line.

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

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

S 12

1916

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and scatter the earth.

58.51 A point 70 lks. N. of NW. cor. of wire fence. Leave fence.

80.26 The cor. of secs. 1, 2, 11 and 12.

Land rolling.

Soil, sand loam about 12 ins. deep, 2nd rate.

No timber or undergrowth.

Good grass.

S. 0° 1' E., bet. secs. 11 and 12.

Over rolling land. No undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

12. Subdivision of fracl. Township 24 South, Range 21 East.

Chains.

the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S11 | S12
1916

Dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and scatter the earth.

- 42.60 Wash, 6 lks. wide, 3 ft. deep, course S.70° E.
- 66.10 Road, brs. N.60°E., and S.60°W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap,

T24S | R21E
S11 | S12

S14 | S13
1916

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling valley, slopes to the E. Soil, dry, sandy loam, about 14 ins. deep, 2nd rate. No timber or undergrowth. Good grass.

- 40.00 S.89° 56' E., on a random line, bet. secs. 12 and 13.
- Set temp. $\frac{1}{4}$ sec. cor.

- 80.38 Intersect E. bdy. of Tp. 12 lks. N. of the original cor. of secs. 7, 12, 13 and 18, hereinbefore described.

Thence,

N.89° 51' W., on a true line, bet. secs. 12 and 13.

Over rolling land. No undergrowth. Along S. side of wire fence, bearing E. and W., about 50 lks. N. of line.

- 1.08 Wash, 20 lks. wide, 3 ft. deep, course S.60° E.
- 1.88 Wire fence, brs. N.40°W. and S.40°E.
- 39.74 Wire fence, brs. N. and S. Leave E. and W. fence, N. of line.
- 40.19 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 12
S 13
1916

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and scatter the earth.

- 59.78 Wire fence, brs. N. and S.
 - 80.38 The cor. of secs. 11, 12, 13 and 14.
- Land, rolling, slopes to the east.
Soil, gravelly clay loam, about 10 ins. deep, 2nd rate.
No timber or undergrowth.
Good grass.

S.0° 1' E., bet. secs. 13 and 14.

Over rolling land. No undergrowth.

- 6.25 Wash, 125 lks. wide, 4 ft. deep, course S. 70° E.
- 12.70 Wash, 15 lks. wide, 5 ft. deep, course S.70° E.
- 27.00 Road 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., marked on brass cap,

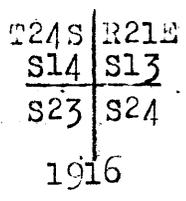
$\frac{1}{4}$ S14 | S13
1916

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

Subdivision of frac. Township 24 South, Range 21 East, 13

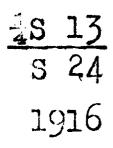
Chains.

- 42.50 Wash, 10 lks. wide, course east.
- 60.00 Low spur, slopes E. Descend 10 ft.
- 67.20 Wash, 25 lks. wide, course S. 50° E. Ascend 8 ft.
- 70.00 Low spur, slopes S. 50° W. Descend 10 ft.
- 72.00 Wash, 15 lks. wide, 4 ft. deep, course S. 60° E.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 13 & 14, and frac. secs. 23 and 24, marked on brass cap,



Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, rolling, slopes to the east.
 Soil, gravelly and rocky clay loam, about 8 ins. deep, 2nd rate.
 No timber, or undergrowth.
 Good grass.

- S. 89° 51' E., on a random line, bet. secs. 13 and 24.
- 40.00 Set temp. sec. cor.
- 80.46 Intersect the E. bdy. of Tp., 10 lks. N. of the original cor. of secs. 13 and 18, and frac. secs. 19 and 24, hereinbefore described. Thence,
 N. 89° 47' W., on a true line, bet. sec. 13, and frac. sec. 24.
 Over rolling land. No undergrowth.
- 34.95 Wash, 6 lks. wide, 5 ft. deep, course S. 40° E.
- 40.23 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for sec. cor., marked on brass cap,



- Dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist., and scatter the earth.
- 69.96 Wash, 30 lks. wide, 3 ft. deep, course S. 50° E.
- 80.46 The cor. of secs. 13 and 14, and frac. secs. 23 and 24.
 Land, rolling, slopes to the SE.
 Soil, gravelly and rocky clay loam, 8 ins. deep, 2nd rate.
 No timber or undergrowth.
 Good grass.

- S. 0° 1' E., bet. frac. secs. 23 and 24.
 Over rolling land. No undergrowth.
- 3.90 Wash, 20 lks. wide, 4 ft. deep, course E.
- 12.86 Intersect the south bdy. of Tp., (International Boundary Line bet. the United States and Mexico), 78.74 chs. S. 89° 43' W. from monument No. 98, hereinbefore described.
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of frac. secs. 23 and 24, marked on brass cap,



Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Land, rolling, slopes to the east.

14. Subdivision of fract. Township 24 South, Range 21 East.

Chains.

Soil, rocky clay loam, 10 ins. deep, 2nd and 3rd rate.
No timber or undergrowth.
Good grass.

From the reestablished cor. of secs. 2, 3, 34 and 35, on N. bdy. of Tp., hereinbefore described, S. 0° 1' E., bet. secs. 2 and 3.
Over rolling land. No undergrowth.

- .10 Road, brs. E. and W.
- .38 A point 50 lks. E. of NE. cor. of wire fence. Thence along E. side of N. and S. fence, about 50 lks. W. of line.
- 20.00 A point about 40 lks. E. of SE. cor. of wire fence. Leave N. and S. fence.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap,

S3 | S2

1916

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and scatter the earth.

- 66.40 Road, brs. N. 60° E. and S. 60° W.
- 73.00 Wash, 15 lks. wide, 3 ft. deep, course S. 60° E.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked on brass cap,

T24S | R21E

S 3 | S 2

S10 | S11

1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Land, rolling, slopes to the east.
Soil, medium rich fine sandy and gravelly loam, 8 to 14 ins. deep, 2nd rate.
No timber or undergrowth.
Good grass.

- 40.00 S. 89° 57' E. on a random line, bet. secs. 2 and 11. Set temp. 1/4 sec. cor.
- 80.12 Intersect N1 and S. line, 5 lks. S. 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 rolling land. No undergrowth.

- 40.06 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

S 2

S 11

1916

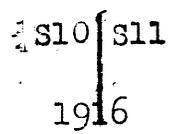
Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and scatter the earth.

- 54.62 Wash, 10 lks. wide, 5 ft. deep, course S. 60° E.
- 80.12 The cor. of secs. 2, 3, 10 and 11.
Land, rolling, slopes to the E. and SE.
Soil, sandy and gravelly loam, 8 to 14 ins. deep, 2nd rate.
No timber or undergrowth.
Good grass.

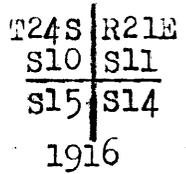
Subdivision of fract. Township 24 South Range 21 East 15

Chains.

S.0°01'E., bet. secs. 10 and 11.
Over rolling land. No undergrowth.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

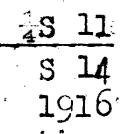


Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
48.10 Wash, 40 lks. wide, 4 ft. deep, course S.40°E.
60.00 Low spur, slopes E.
63.90 Wash, 15 lks. wide, 4 ft. deep, course E.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked on brass cap,



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Land, rolling, slopes to the east and southeast.
Soil, sandy loam, about 10 ins. deep, 2nd rate.
No timber, or undergrowth.
Good grass.

S.89° 59' E., on a random line, bet. secs. 11 and 14.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.14 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 11, 12, 13, and 14.
Thence,
West, on a true line, bet. secs. 11 and 14.
Over rolling land, thru scattering undergrowth.
12.45 Wash, 40 lks. wide, 4 ft. deep, course S.40°E.
20.15 Low gravelly spur, slopes SE.
21.64 Road, brs. N.50° E. and S.40° W.
23.45 Left bank of wash, 5 ft. high, brs. N.40°W., and S.40°E.; thence across bed of said wash, in bend, course S.40° E. from S.50° W.
26.95 Left bank of same wash, 4 ft. high, brs. N.40°E. and S.50° W. Leave wash.
40.07 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
80.14 The cor. of secs. 10, 11, 14 and 15.
Land, rolling, slopes to the east and southeast.
Soil, sandy and gravelly clay loam, 12 ins. deep, 2nd rate.
No timber.
Undergrowth, scattering scrub oak.
Good grass.

S.0° 01' E., bet. secs. 14 and 15.
Over rolling land, thru scattering undergrowth.
18.20 Wash, 40 lks. wide, 5 ft. deep, course east.
39.10 Road brs. N.70°E. and S.70°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., marked on brass cap,

16. Subdivision of fractl. Township 24 South, Range 21 East.

Chains.

1/2 S15 | S14

1916

- 40.45 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Wire fence, brs. E. and W. Leave undergrowth, brs. E. and W. Enter cultivated land, brs. E. 2.00 chs. and W. 3.00 chs. dist.
- 60.22 Leave cultivated land, brs. E. 3.50 chs. and W. 1.50 chs. dist.
- 60.23 Wire fence brs. E. and W.
- 63.10A deserted house brs. W. about 2.00 chs. dist.
- 63.60 Wash, 30 lks. wide, course E.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 14 and 15, and fractl. secs. 22 and 23, marked on brass cap,

T24S | R21E
 S15 | S14
 S22 | S23

1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Land, rolling, slopes to the southeast. Soil, rocky and gravelly clay loam, about 10 ins. deep, 2nd rate. No timber. Undergrowth, scattering scrub oak, Good grass.

- 40.00 East, on a random line, bet. sec. 14 and fractl. sec. 23. Set temp. 1/4 sec. cor.
- 80.20 Intersect the cor. of secs. 13 and 14, and fractl. secs. 23 and 24. Thence, West, on a true line, bet. sec. 14 and fractl. sec. 23. Over rolling land. No undergrowth.
- 39.35 Wash, 10 lks. wide, 4 ft. deep, course N. 30° E.
- 40.10 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/2 S 14

S 23

1916

- 42.10 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
- 45.20 Same wash, 10 lks. wide, 4 ft. deep, course S. 60° E.
- 45.20 Same wash, 8 lks. wide, 4 ft. deep, course N. 60° E.
- 71.55 Wire fence, brs. N. and S., about 100 lks. N. of SE. fence. cor. Thence parallel to and 100 lks. N. of wire fence.
- 80.20 The cor. of secs. 14 and 15, and fractl. secs. 22 and 23. Land, rolling, slopes to the SE. Soil, sandy and gravelly clay loam, about 10 ins. deep, 2nd and 3rd rate. No timber, or undergrowth. Good grass.

- .93 S. 0° 1' E., bet. fractl. secs. 22 and 23. Over rolling land. No undergrowth.
- 13.23 Wire fence, brs. E. and W. Intersect the S. bdy. of Tp. (International Boundary line between the United States and Mexico) 89.27 chs. N. 89° 43' E. from Monument No. 99, hereinbefore described.

Subdivision of fracl. Township 24 South Range 21 East. 17

Chains.

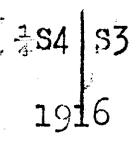
At the point of intersection,
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of fracl.secs.22 and 23, marked on brass cap,



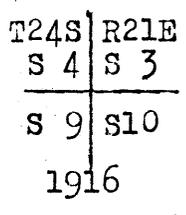
Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Land, rolling slopes to the SE.
Soil, gravelly and rocky clay loam, 12 ins. deep, 2nd and 3rd rate.
No timber or undergrowth.
Good grass.

From the reestablished cor. of secs. 3, 4, 33 and 34, on N. bdy. of Tp., hereinbefore described,
S.0° 2' E., bet. secs. 3 and 4.

- Over rolling land. No undergrowth.
- .10 Road, brs. E. and W.
- .45 Wash, 6 lks. wide, 2 ft. deep, course E.
- 18.00 Wash, 15 lks. wide, 2 ft. deep, course S. 70° E.
- 26.50 Wash, 15 lks. wide, 3 ft. deep, course E.
- 37.50 Wash, 30 lks. wide, 6 ft. deep, course E.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,



- 40.35 Raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Wire fence, brs. E. and W.; leave undergrowth, brs. E. and W. Enter cultivated land, brs. E. 3.00 chs. and W. 10.00 chs. dist.
- 49.96 Wire fence, brs. E. and W.; leave cultivated land, brs. E. 3.00 chs. and W. 10 chs. dist.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked on brass cap,



Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, rolling, slopes to the southeast.
Soil, sandy and gravelly clay loam, 10 ins. deep, 2nd rate.
No timber or undergrowth.
Good grass.

- 40.00 S. 89° 57' E., on a random line, bet. secs. 3 and 10. Set temp. ¼ sec. cor.
- 80.18 Intersect N. and S' line, 3 lks. N. of the cor. of secs. 2, 3, 10 and 11.
Thence,
N. 89° 56' W., on a true line, bet. secs. 3 and 10.
Over rolling land. No undergrowth.

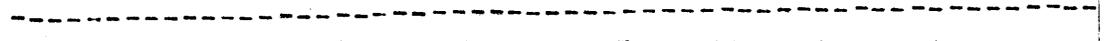
18. Subdivision of fracl. Township 24 South, Range 21 East.

Chains.

- 21.98 Road, brs. N. 50° E. and S. 50° W.
- 22.68 Wash, 5 lks. wide, course S. 60° E.
- 40.09 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 3
 S 10
 1916

- 76.18 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Road, brs. N. and S.
- 76.38 Wire fence, brs. N. and S. about 70 lks. N. from SE. fence cor.
- 80.18 The cor. of secs. 3, 4, 9 and 10. Land, rolling, slopes to the SE. Soil, dry, sandy and gravelly clay loam, about 12 ins. deep. No timber or undergrowth. Good grass.



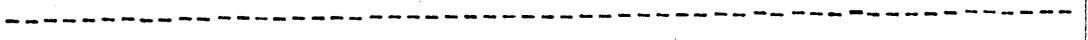
- S. 0° 2' E., bet. secs. 9 and 10. Over rolling land, thru. scattering undergrowth.
- .70 Wire fence, brs. E. and W.
- 3.30 Left bank of wash, 3 ft. high, brs. N. 60° W. and S. 60° E.; thence over gravelly bed of wash, course S. 60° E.
- 5.45 Right bank of same wash, 4 ft. high, brs. E. and W. Ascend 6 ft.
- 7.50 Low gravelly spur, slopes S. 60° E.
- 8.30 Wash, 40 lks. wide, banks, 4 ft. high, course N. 30° E.
- 15.60 Road, brs. N. 30° E. and S. 30° W.
- 31.10 Road, brs. N. 40° E. and S. 40° W.
- 37.00 Low spur, slopes E.
- 39.50 Wash, 4 lks. wide, 3 ft. deep, course N. 40° 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., marked on brass cap,

$\frac{1}{4}$ S 9 | S 10
 1916

- 51.20 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Wash, 40 lks. wide, 4 ft. deep, course E.
- 75.00 Wash, 15 lks. wide, course E.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on brass cap,

T24S | R21E
 S 9 | S 10
 S 16 | S 15
 1916

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, rolling valley, slopes to the SE. Soil, sandy and gravelly clay loam, 10 ins. deep, 2nd rate. No timber. Undergrowth, scattering scrub oak. Good grass.



- 40.00 S. 89° 56' E., on a random line, bet. secs. 10 and 15. Set temp. $\frac{1}{4}$ sec. cor.
- 80.20 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 10, 11, 14, and 15. Thence, N. 89° 55' W., on a true line, bet. secs. 10 and 15. Over rolling land. No undergrowth.

Subdivision of fracl. Township 24 South, Range 21 East. 19

Chains.

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

S 10
S 15
1916

80.20 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. The cor. of secs. 9, 10, 15 and 16. Land, rolling valley, slopes to the E. Soil, gravelly clay loam, about 12 ins. deep, 2nd rate. No timber or undergrowth. Good grass.

S. 0° 2' E., bet. secs. 15 and 16.

Over rolling land, thru scattering timber and undergrowth.

17.50 Wash, 25 lks. wide, 4 ft. deep, course E.

26.10 Wash, 15 lks. wide, 3 ft. deep, course N. 70° E.

35.00 Wash, 20 lks. wide, 3 ft. deep, course S. 60° E.

36.70 Wash, 10 lks. wide, 4 ft. deep, course N. 60° 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., marked on brass cap,

S 16 | S 15
1916

from which,

An oak, 12 ins. in diam., brs. N. 9° E., 177 lks. dist., marked S 15 B T.

An oak, 8 ins. in diam., brs. N. 17° W., 86 lks. dist., marked S 16 B T.

45.20 Wash, 40 lks. wide, 6 ft. deep, course E.

53.70 Road, brs. E and W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 15 and 16, and fracl. secs. 21 and 22, marked on brass cap,

T 24 S | R 21 E
S 16 | S 15
S 21 | S 22
1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling valley, slopes to the NE

Soil, gravelly and rocky clay loam, about 12 ins. deep, 2nd rate.

Timber, scattering oak.

Undergrowth, scattering scrub oak.

Good grass.

S. 89° 55' E., on a random line, bet. sec. 15 and fracl. sec. 22.

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

80.18 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 14, 15, and fracl. secs. 22 and 23.

Thence,

N. 89° 57' W., on a true line, bet. sec. 15 and fracl. sec. 22.

Over rolling land. No undergrowth. Along N. side of E. and W. fence about 100 lks. S. of line.

32.47 Wire fence, brs. N. and S. about 100 lks. N. of SW. fence cor. Leave N. side of fence.

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

20. Subdivision of fracl. Township 24 South, Range 21 East.

Chains.

1/2 S 15
S 22
1916

80.18 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. The cor. of secs. 15 and 16, and fracl. secs. 21 and 22. Land, rolling valley, slopes to the E. and NE. Soil, sandy and gravelly clay loam, about 10 ins. deep. No timber or undergrowth. Good grass.

S. 0° 2' E., bet. fracl. secs. 21 and 22. Over rolling land; no undergrowth.

5.00 Draw, 25 lks. wide, 2 ft. deep, course S. 60° E.
13.69 Intersect the South bdy. of Tp. (International Boundary Line bet. the United States and Mexico) 9.09 chs. N. 89° 43' E. from Monument No. 99, hereinbefore described. At the point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of fracl. secs. 21 and 22, marked on brass cap,

CC
T24S | R21E
S21 | S22
MEXICO

1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Land, rolling valley, slopes to the southeast. Soil, rocky clay loam, about 8 ins. deep, 3rd rate. No timber or undergrowth. Good grass.

From the reestablished cor. of secs. 4, 5, 32 and 33, on N. bdy. of Tp., hereinbefore described, S. 0° 2' E., bet. secs. 4 and 5. Over rolling land, thru. scattering timber and undergrowth.
11.00 Wash, 10 lks. wide, 2 ft. deep, course E.
19.30 Wash, 15 lks. wide, 4 ft. deep, course N. 70° E.
20.00 Foot of NE. slope brs. N. 40° W. and S. 40° E.; leave rolling, and enter mountainous land. Ascend 10 ft.
21.00 Point of spur, slopes NE. Descend 15 ft. over SE. slope.
24.50 Wash, 10 lks. wide, course N. 40° E. Ascend 117 ft. on NW. slope.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/2 S 5 | S 4
1916

from which,

A white oak, 10 ins. in diam., brs. N. 81 1/2° E., 123 lks. dist., marked 1/4 S 4 B T.
A white oak, 12 ins. in diam., brs. N. 58 1/2° W., 31 lks. dist., marked 1/4 S 5 B T.
40.25 A point about 150 lks. W. from NW. fence cor. Thence parallel to fence about 150 lks. E. of line.
43.60 Spur, slopes N. 70° E. Descend 13 ft.
43.70 Ravine, 20 lks. wide, course S. 70° E. Ascend 136 ft.
60.10 Spur, slopes E. Descend 15 ft.
62.90 Ravine, 10 lks. wide, course E. Ascend 12 ft.
65.10 Spur, slopes N. 70° E. Descend 12 ft.
66.15 Ravine, 15 lks. wide, course N. 60° E. Ascend 252 ft. on NE. slope.

74.5

subdivision of fracl. Township 24 South, Range 21 East 21

Chains.

- 78.50 Spur, slopes N.60°E. Descend 7 ft.
- 80.00 Set an iron post, 3 ft.long, 2 ins.in diam., 24 ins. in the ground for cor.of secs. 4,5, 8 and 9, marked on brass cap,

T24S	R21E
S 5	S 4
S 8	S 9

1916

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land rolling and mountainous. Soil, gravelly and rocky, 3rd and 4th rate. Timber, scattering oak. Undergrowth, scattering scrub oak. Good grass.

- 40.00 s.89° 56' E., on a random line, bet. secs.4 and 9. Set temp. sec.cor.
- 80.10 Intersect N.and S.line, 5 lks.S. of the cor. of secs.3,4, 9 and 10. Thence, N.89°58'W., on a true line, bet. secs. 4 and 9. Over rolling land, thru. scattering timber and undergrowth; along N.side of wire fence, about 70 lks. S. of line.
- 2.60 Wash, 40 lks.wide, 4 ft. deep, course S.20°E.
- 12.10 Wash, 40 lks.wide, 5 ft. deep, course S.60° E.
- 16.60 A school house brs.S. about 8.00 chs.dist.
- 29.95 Road, brs.N.40°W. and S.30°E.
- 31.40 Wire fence, brs.N.40°W. and S.40°E.; a corral brs.N.75 lks.dist.
- 32.60 Wire fence, brs.N. and S. about 70 lks.N. of intersection with fence, bearing E. and W.
- 33.40 A barn brs. north about 50 lks.dist.
- 33.45 Wash, 40 lks. wide, 6 ft.deep, course S.60°E.
- 36.00 Wash, 30 lks.wide, course N.50°E. House brs. N. about 4.00 chs.dist.
- 37.05 A well brs.S.25 lks.dist.
- 40.05 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for 2 sec.cor., marked on brass cap,

S 4
S 9

1916

- 43.40 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Wash, 30 lks.wide, course N.70°E. Same as crossed at 33.45 chs. station.
- 49.70 Same wash, course S,70°E. from W.; thence in same wash, course E.
- 62.30 Leave same wash, course E. from S.40°W. Leave rolling, and enter mountainous land. Asc. 645 ft. on SE.slope.
- 63.80 Same wash, 20 lks.wide, 6 ft. deep, course S.40° E.
- 64.60 Same wash, 20 lks.wide, course N.60°E.
- 78.70 Wire fence, brs.N. and S., about 70 lks.N. from SW.fence cor.
- 80.10 The cor.of secs.4,5, 8 and 9. Land, rollinga and mountainous. Soil, gravelly and rocky, 2nd, 3rd and 4th rate. Timber, scattering oak. Undergrowth, scattering scrub oak and greasewood, 2 ft. high. Good grass.

S.0° 2' E., bet. secs. 8 and 9.

22. Subdivision of fracl. Township 24 South, Range 21 East.

- Chains.
- Over mountainous land, thru scattering timber and undergrowth. Descend 339 ft. on SE. slope.
 - 17.00 Ravine, 20 lks. wide, course E. Leave mountainous land; enter rolling land; ascend 16 ft.
 - 20.00 Spur, slopes SE. Descend 82 ft.
 - 25.00 Ravine, 18 lks. wide, course E. Ascend 10 ft.
 - 30.00 Low spur, slopes E. Descend 11 ft.
 - 38.85 Ravine, 20 lks. wide, course S. 70° E.
 - 39.20 Low spur, slopes E.
 - 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 2 sec. cor., marked on brass cap,

1/2 S 8 | S 9

1916

- 43.50 Raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. Ravine, 15 lks. wide, course N. 70° E.; leave rolling, and enter mountainous land. Ascend 92 ft.
- 47.70 Spur, slopes E. Descend 100 ft.
- 57.30 Ravine, 10 lks. wide, course E. Ascend 10 ft.
- 58.00 Spur, slopes E. Descend about 15 ft.
- 59.00 Ravine, 10 lks. wide, course N. 60° E. Ascend 80 ft. over NE. slope.
- 65.70 Spur, slopes E. Descend 173 ft. on S. slope.
- 78.00 Foot of descent N. 70° W. and S. 70° E.; leave mountainous, and enter rolling land.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap,

T 24 S | R 21 E
 S 8 | S 9
 S 17 | S 16

1916

from which,

An oak, 10 ins. in diam., brs. S. 48 1/2° E., 176 lks. dist., marked T 24 S, R 21 E S 16 BT.

An oak, 10 ins. in diam., brs. S. 24 1/2° W., 75 lks. dist., marked T 24 S, R 21 E S 17 BT.

No other trees available; raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling and mountainous.

Soil, gravelly and rocky, 2nd, 3rd and 4th rate.

Timber, scattering oak.

Undergrowth, scattering scrub oak and greasewood.

Good grass.

- s. 89° 59' E., on a random line, bet. secs. 9 and 16.
- 40.00 Set temp. 1/4 sec. cor.
- 80.20 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 9, 10, 15 and 16.

Thence,

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

Over rolling land. No undergrowth.

- 34.25 Road brs. N. 10° E. and S. 10° W.

- 40.10 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/4 S 9

S 16

1916

- 42.30 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Road, brs. N. 30° E. and S. 30° W.
- 43.50 Road, brs. N. 40° E. and S. 40° W.

Subdivision of fracl. Township 24 South, Range 21 East, 23

Chains.
 48.70 Wash, 30 lks.wide, 4 ft. deep, course N.40° E.
 80.20 The cor.of secs.8,9,16 and 17.
 Land, rolling valley, slopes to the east.
 Soil, gravelly clay loam, about 12 ins.deep, 2nd rate.
 No timber or undergrowth.
 Good grass.

 S.0° 2' E., bet. secs. 16 and 17.
 Over rolling land, thru scattering timber.
 .90 Draw, 10 lks.wide, 1½ ft. deep, course S.70° E.
 5.00 Wash, 25 lks.wide, 3 ft. deep, course E.
 8.50 Wash, 20 lks.wide, 4 ft. deep, course E.
 11.20 Road, brs.N.70°W. and S.70°E.
 27.10 Wash, 25 lks.wide, 3 ft. deep, course S.70° E.
 31.25 Road brs.N.40°E. and S.40°W.
 35.75 Wash, 40 lks.wide, 4 ft. deep, course S.60° E.
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for ¼ sec.cor., marked on brass cap,

S17 | S16
 1916

from which,

An oak, 20 ins. in diam., brs.N.61½°E., 76 lks.
 dist., marked S 16 B T.
 An oak, 24 ins. in diam., brs.N.13°45' W., 272
 lks.dist., marked S 17 B T.

47.80 Road brs.N.70°W. and S.70°E.
 53.30 Draw, 8 lks.wide, 2 ft. deep, course E.
 55.60 Road, brs. E and W.
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground, for cor.of secs. 16 and 17, and fracl.secs.
 20 and 21, marked on brass cap,

T24S | R21E
 S17 | S16
 S20 | S21
 1916

Raise a mound of stone, 2 ft. base, 1½ ft. high, W.of cor.
 Land, rolling, slopes to the east.
 Soil, sandy and gravelly clay loam, about 12 ins.deep, 2nd
 rate.
 Timber, scattering oak.
 No undergrowth.
 Good grass.

 East, on a random line, bet. sec.16, and fracl.sec.21.
 40.00 Set temp.¼ sec.cor.
 80.24 Intersect N. and S.line, 8 lks. N.of the cor.of secs.15
 and 16, and fracl.secs.21 and 22.
 Thence,
 N.89°57'W., on a true line, bet. secs.16 and fracl.sec.21.
 Over rolling land. No undergrowth.
 27.95 Draw, 10 lks.wide, 3 ft. deep, course S.60° E.
 40.12 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for ¼ sec.cor., marked on brass cap,

S 16
 S 21
 1916

53.14 Raise a mound of stone, 2 ft. base, 1½ ft. high, N.of cor.
 Road brs.N.30°E. and S.30°W.

24 Subdivision of fractional Township 24 South, Range 21 E.

Chains.

80.24 The cor. of secs. 16 and 17, and fract. secs. 20 and 21.
Land, rolling valley, slopes to the southeast.
Soil, sandy and gravelly clay loam, about 10 ins. deep, 2nd rate.
No timber, or undergrowth.
Good grass.

S. 0° 2' E., bet. fract. secs. 20 and 21.
Over rolling land. No undergrowth.

14.20 Intersect the south bdy. of Tp. (International Boundary Line between the United States and Mexico) 71.18 chs. S. 89° 43' W. from Monument No. 99, hereinbefore described.
At the point of intersection,
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of fract. secs. 20 and 21, marked on brass cap,

C	C
T24S	R21E
S20	S21
MEXICO	
1916	

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
Land, rolling valley, slopes to the SE.
Soil, rocky clay loam, about 12 ins. deep, 3rd rate.
No timber or undergrowth.
Good grass.

From the reestablished cor. of secs. 5 and 6 on N. bdy. of Tp., hereinbefore described,
S. 0° 3' E., bet. secs. 5 and 6.
Over mountainous land, thru. timber and dense undergrowth.
Ascend 125 ft. on NW. slope.

8.00 Spur, slopes N. 60° E. Descend 80 ft. over SE. slope.
15.00 Ravine, 20 lks. wide, course N. 30° E. Ascend 1750 ft. on N. slope.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for sec. cor., marked on brass cap,

S6	S5
1916	

from which,

An oak, 6 ins. in diam., brs. S. 53½° W., 20 lks. dist., marked S 6 B T.

No other trees suitable for bearing trees available; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

45.00 Spur, slopes N. 60° E.
Descend 125 ft. over SE. slope.
49.70 Head of ravine, 20 lks. wide, course N. 30° E. Ascend.
50.40 Cliff, 40 ft. high, brs. E. 75 lks. and W. 100 lks. dist.
66.10 Summit of mountain brs. E. and W. Descend 660 ft. on S. slope to sec. cor.
67.90 Top of perpendicular cliff, brs. E. 250 lks., and W. 300 lks. dist.
68.30 Foot of cliff.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked on brass cap,

T24S	R21E
S 6	S 5
S 7	S 8
1916	

Subdivision of frac1. Township 24 South, Range 21 East. 25

Chains.
 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 3rd and 3th rate,
 Timber, scattering oak, juniper and pine.
 Undergrowth, dense scrub oak and mountain mahogany.
 Good grass.

 S.89° 55'E., on a random line, bet. secs. 5 and 8.
 40.00 Set temp. ¼ sec.cor.
 79.80 Intersect N. and S. line, 12 lks.S. of the cor. of secs. 4,
 5, 8 and 9.
 Thence,
 West, on a true line, bet. secs.5 and 8.
 Over mountainous land, thru scattering timber and under-
 growth. Ascend 218 ft. on N.slope.
 9.90 Ridge, brs.N.80°W. and S.80°E. Descend 46 ft. over SW.
 slope.
 20.30 Rocky ravine, 10 lks.wide, course S.30° E. Ascend 50 ft.
 33.30 Spur, slopes S. 40°E. Descend 40 ft. over SW.slope.
 34.85 Rocky ravine, 15 lks.wide, course S.40° E. Ascend 1148 ft.
 on NE.slope.
 39.90 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
 ground for ¼ sec.cor., marked on brass cap,

¼ S 5

 S 8
 1916

from which,
 An oak, 8 ins. in diam., brs.N.19½°W..112 lks.
 dist., marked S 5 B T.
 An oak, 6 ins. indiam., brs.S.30°W., 63 lks.
 dist., marked ¼ S 8 B T.

51.60 Spur, slopes S.30°E.; continue ascent, along S.face of
 mountain ridge.
 62.15 Foot of cliff, 30 ft. high, brs. N.40°E., 3.00 chs. and
 S.50°W., 2.00 chs. dist.
 63.75 Top of cliff.
 64.80 Rocky spur, slopes S. Descend 177 ft. on W.slope.
 79.80 The cor.of secs.5,6, 7 and 8.
 Land, mountainous.
 Soil,worthless, rocky clay loam.
 Timber, scattering oak, pinon and juniper.
 Undergrowth, scattering scrub oak and mountain mahogany.
 Good grass.

 West, on a random line, bet. secs. 6 and 7.
 40.00 Set temp. ¼ sec.cor.
 77.66 Intersect W. bdy. of Tp., 9 lks.N. of the cor.of secs.6
 and 7, described in Book "K," of this Group.
 Thence,
 N.89° 56' E., on a true line, bet. secs.6 and 7.
 Over mountainous land, thru scattering timber and dense
 undergrowth. Ascend 375 ft. on NW.slope.
 18.70 Ridge, brs.N.40°E. and S.70° W. Descend 291 ft. on SE.
 slope.
 33.30 Rocky ravine, 10 lks.wide, course S.30° E. Ascend 80 ft.
 on SW.slope.
 36.00 Spur, slopes S. Descend 85 ft.
 37.66 Set at iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for ¼ sec.cor., marked on brass cap,

¼ S 6

 S 7
 1916

26 Subdivision of fracl. Township 24 South, Range 21 East.

Chains.

- Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
- 42.65 Ravine, 15 lks. wide, course S. Ascend 250 ft. on SW. slope.
- 45.00 Spur, slopes S. Descend 75 ft. on SE. slope.
- 50.25 Ravine, 20 lks. wide, course S.10°W. Ascend 70 ft.
- 70.50 Spur, slopes S. Descend 60 ft. on SE. slope.
- 73.75 Ravine, 10 lks. wide, course S.10° E. Ascend 37 ft.
- 75.35 Spur, slopes S. Descend 25 ft.
- 77.00 Ravine, 5 lks. wide, course S.10°W. Ascend 20 ft.
- 77.66 The cor. of secs. 5, 6, 7 and 8.

Land, mountainous.
Soil, poor, stony clay loam on granite ledges.
Timber, oak.

S.0°3'E., bet. secs. 7 and 8.

- Over mountainous land, thru scattering timber and dense undergrowth. Descend 1121 ft. on S. slope.
- 7.60 Ravine, 25 ft. deep, course S.40°W.
- 16.90 Top of perpendicular cliff, 30 ft. high, brs. N.40°W., 2.00 chs. and S.40°E., 3.00 chs. dist.
- 32.80 Ravine, 20 lks. wide at foot of descent, course S.60°E. Leave mountainous and enter rolling land. Ascend about 20 ft.
- 34.50 Gravelly spur, slopes SE. Descend 119 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,

½ S7 | S8

1916

from which,

- An oak, 12 ins. in diam., brs. N.78½°W., 122 lks. dist., marked ¼ S 7 B T.
- An oak, 10 ins. in diam., brs. S.20½° E., 142 lks. dist., marked ½ S 8 B T.
- 48.65 Enter wash, 20 lks. wide, course S. from NW.
- 50.10 Leave wash, course S.70° E. Ascend 30 ft. on NE. slope.
- 51.60 Spur, slopes S.70°E. Descend 108 ft.
- 65.90 Wash, 15 lks. wide, course S.60° E. Ascend 40 ft.
- 69.00 Spur, slopes S.60° E. Descend 41 ft.
- 79.60 Wash, 20 lks. wide, course S.20° E.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,

T24S | R21E

S 7 | S 8

S18 | S17

1916

from which,

- An oak, 24 ins. in diam., brs. N.18°E., 150 lks. dist., marked T 24S R21E S8 BT.
- An oak, 16 ins. in diam., brs. S.63½°E., 147 lks. dist., marked T24S R21E S17 BT.
- An oak, 12 ins. in diam., brs. S.42°W., 125 lks. dist., marked T 24S R21E S18 BT.
- An oak, 8 ins. in diam., brs. N.41°W., 203 lks. dist., marked T24S R21E S7 BT.

Land, mountainous and rolling.
Soil, gravelly and rocky clay loam, 2nd and 3rd rate.
Timber, oak and juniper.
Undergrowth, dense scrub oak and mountain mahogany.
Good grass.

Subdivision of frac. Township 24 South Range 21 East 27

Chains.

East, on a random line, bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 8, 9, 16 and 17.
 Thence,
 N. $89^{\circ} 58'$ W., on a true line, bet. secs. 8 and 17.
 Over rolling land, thru. scattering timber.
 1.60 Wash, 10 lks. wide, course S. 60° E.
 6.00 Wash, 15 lks. wide, 4 ft. deep, course S. 60° E.
 25.20 Wash, 30 lks. wide, 8 ft. deep, course S. 70° E.
 29.30 House brs. south about 2.00 chs. dist.
 29.70 Same wash, 30 lks. wide, course N. 70° E.
 39.97 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S 8
 S 17
 1916

from which,

An oak, 14 ins. in diam., brs. N. $69\frac{1}{2}^{\circ}$ E., 131 lks. dist., marked $\frac{1}{4}$ S 8 B T.
 An oak, 16 ins. in diam., brs. S. 3° E., 108 lks. dist., marked $\frac{1}{4}$ S 17 B T.
 42.30 Same wash, 35 lks. wide, course S. 60° E.
 55.10 Road brs. N. 40° W., and S. 40° E.
 72.00 Road, brs. N. and S.
 79.75 Wash, 20 lks. wide, course S. 20° E.
 79.94 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling, slopes to the SE.
 Soil, sandy and gravelly clay loam, 4 to 10 ins. deep, 2nd and 3rd rate.
 Timber, oak.
 No undergrowth.
 Good grass.

S. $89^{\circ} 56'$ W., on a random line, bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 77.70 Intersect W. bdy. of Tp., 11 lks. N. of the cor. of secs. 7 and 18, described in Book "K" of this group.
 Thence,
 N. $89^{\circ} 51'$ E., on a true line, bet. secs. 7 and 18.
 Over mountainous land, thru. scattering timber and undergrowth. Ascend 41 ft. on SW. slope.
 4.40 Spur, slopes S. 40° E. Descend 352 ft. on NE. slope.
 22.80 Ravine, 15 lks. wide, course S. 40° E. Ascend 178 ft. on SW. slope.
 34.70 Spur, slopes S. 40° E. Descend 276 on NE. slope.
 37.70 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S 7
 S 18
 1916

from which,

An oak, 10 ins. in diam., brs. N. $22\frac{1}{2}^{\circ}$ W., 40 lks. dist., marked $\frac{1}{4}$ S 7 B T.
 An oak, 12 ins. in diam., brs. S. $47\frac{1}{2}^{\circ}$ W., 44 lks. dist., marked $\frac{1}{4}$ S 18 B T.
 49.90 Wash, 10 lks. wide, course S. 40° E.; leave mountainous, and enter rolling land.
 50.30 Gravelly spur slopes SE. Descend 10 ft.
 54.10 Wash, 20 lks. wide, 6 ft. deep, course S. 40° E. Ascend 12 ft.
 55.20 Gravelly spur, slopes S. 40° E. Descend about 10 ft.
 64.75 Road brs. N. and S.
 67.30 Wash, 15 lks. wide, 6 ft. deep, course S. 40° E. Asc. 15 ft.
 68.80 Gravelly spur, slopes S. 40° E. Descend 30 ft.

28 Subdivision of fractl. Township 24 South, range 21 East.

Chains.

77.70 The cor. of secs. 7, 8, 17 and 18.
Land, mountainous and rolling.
Soil, gravelly and rocky clay loam, 4 to 10 ins. deep, 3rd
rate.
Timber, scattering oak and juniper.
Undergrowth, scattering scrub oak.
Good grass.

S. 0° 3' E., bet. secs. 17 and 18.
Over rolling land, thru scattering timber and undergrowth.
Ascend 18 ft. on NE. slope.

2.20 Gravelly spur, slopes SE. Descend 42 ft.
7.10 Wash, 15 lks. wide, course S. 40° E. Ascend 18 ft.
11.40 Gravelly spur, slopes S. 40° E. Descend 40 ft.
18.15 Wash, 10 lks. wide, course S. 40° E.
20.16 Wire fence, brs. E. and W.
20.75 Wire fence brs. N. 40° W. and S. 40° E.
26.85 A spring brs. E. about 50 lks. dist.
27.00 A house brs. E. about 7.00 chs. dist.
35.80 Wash, 10 lks. wide, course S. 40° E. Ascend 20 ft.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for sec. cor., marked on brass cap,

18	17
----	----

1916

from which,

An oak, 12 ins. in diam., brs. N. 9° W., 101 lks.
dist., marked $\frac{1}{4}$ S 18 B T.

An oak, 24 ins. in diam., brs. S. 55 $\frac{1}{2}$ ° E., 158 lks.
dist., marked $\frac{1}{4}$ S 17 B T.

40.70 Wash, 15 lks. wide, course S. 50° E. Ascend 15 ft.
43.45 Spur, slopes SE. A grave brs. W. of line 1.00 ch. dist.
46.30 Road brs. N. 50° W. and S. 50° E.
46.50 Wire fence, brs. N. 50° W. and S. 50° E.; leave timber and under-
growth, brs. NW. and SE.; enter cultivated land, brs.
N. 50° W., 10.00 chs. and S. 50° E., 2.00 chs. dist.
51.40 Wire fence, brs. N. 50° W. and S. 50° E.; leave cultivated land
brs. N. 50° W., 10.00 chs. and S. 50° E., 3.00 chs. dist.;
thence along E. side of wire fence, bearing N. and S.,
about 15 lks. W. of line. Enter scattering timber and
undergrowth.
53.30 Creek from Montezuma Canyon, 30 lks. wide, course S. 50° E.;
ascend 35 ft. on S. slope.
56.50 Leave timber, brs. NW. and SE.
60.20 The SE. cor. of wire fence, brs. W. 15 lks. dist. Leave
fence.
64.00 Gravelly spur, slopes S. 60° E. Descend gradually over
S. slope.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 10 ins. in
the ground to bedrock, supported by a mound of stone,
for cor. of secs. 17 and 18, and fractl. secs. 19 and 20,
marked on brass cap,

T24S	R21E
S18	S17
S19	S20

1916

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Land, rolling.
Soil, sandy and rocky clay loam, 4 to 8 ins. deep, 2nd and
3rd.
Timber, scattering oak.
Undergrowth, scattering scrub oak.
Good grass.

Subdivision of fract. Township 24 South, Range 21 East. 29

Chains.

S. 89° 58' E., on a random line, bet. sec. 17 and fract. sec. 20.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. and S. line, 3 lks. N. of the cor. of secs. 16 and 17, and fract. secs. 20 and 21.
 Thence,
 N. 89° 57' W., on a true line, bet. sec. 17 and fract. sec. 20.
 Over rolling land, thru scattering timber.
 32.70 Wash, 30 lks. wide, 5 ft. deep, course S. 30° E.
 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

1/4 S 17
 S 20
 1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
 57.10 Wash, 15 lks. wide, 4 ft. deep, course S. 40° E.
 79.90 The cor. of secs. 17 and 18, and fract. secs. 19 and 20.
 Land, rolling, slopes to the SE.
 Soil, sandy, gravelly and rocky loam, 4 to 10 ins. deep, 2nd and 3rd rate.
 Timber, scattering oak.
 No undergrowth.
 Good grass.

S. 89° 51' W., on a random line, bet. sec. 18, and fract. sec. 19.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 77.74 Intersect W. bdy. of Tp. 3 lks. N. of the cor. of sec. 18, and fract. sec. 19, described in Book "K" of this group.
 Thence,
 N. 89° 50' E., on a true line, bet. sec. 18, and fract. sec. 19.
 Over mountainous land, thru scattering timber. Descend 131 ft. on NE. slope.
 6.85 Ravine, 6 lks. wide, course S. 20° E. Ascend 125 ft. on SW. slope.
 15.05 Spur, slopes S. 30° E. Descend 186 ft. on SE. slope.
 26.64 Head of ravine, 8 lks. wide, course S. 40° E. Ascend 20 ft. on SW. slope.
 29.50 Spur, slopes S. 20° E. Descend 80 ft.
 33.15 Ravine, 15 lks. wide, course S. 30° E. Ascend 25 ft. on SW. slope.
 33.34 Wire fence, brs. N. 40° W. and S. 40° E.
 35.45 Spur, slopes S. 30° E. Descend 563 ft. on NE. slope.
 37.74 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

1/4 S 18
 S 19
 1916

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
 41.75 Ravine, 10 lks. wide, course S. 30° E. Ascend 10 ft.
 42.45 Spur, slopes S. 30° E. Descend.
 64.04 Ravine, 6 lks. wide, course N. 40° E. Ascend 10 ft.
 64.75 Spur, slopes NE. Descend 18 ft.
 67.05 Same ravine, course S. 40° E. Ascend 15 ft.
 67.55 Spur, slopes SE. Descend 15 ft.
 67.95 Ravine, 10 lks. wide, course S. 30° E. Ascend 10 ft. to
 77.74 The cor. of secs. 17 and 18, and fract. secs. 19 and 20.
 Land, mountainous.
 Soil, rocky clay loam, 4th rate.
 Timber, scattering oak.
 No undergrowth.
 Good grass.

30. Subdivision of fracl. Township 24 South, Range 21 East.

Chains.

- 14.71 S. 0° 3' E., bet. fracl. secs. 19 and 20.
Over rolling land. No undergrowth. Descend SW. slope.
Intersect the south bdy. of Tp., (International Boundary
line bet. the United States and Mexico) 90.01 chs. N. 89°
43' E. from Monument No. 100, hereinbefore described.
At the point of intersection,
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the
ground, for closing cor. of fracl. secs. 19 and 20, marked
on brass cap,

C	C
T24 S	R21 E
S19	S20

MEXICO
1916

Raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
Land, rolling, slopes to the SW.
Soil, rocky clay loam, 6 to 10 ins. deep, 4th rate.
No timber or undergrowth.
Good grass.

GENERAL DESCRIPTION.

This township contains every variety of land from level to mountainous, and the soil ranges from 1st to 4th rate.

The soil of the mountainous portion of the township is mostly stony clay loam, with considerable decomposed granite, and of little value for agricultural purposes. It is covered with a fair growth of mountain grasses and brush, and furnishes good pasture for stock.

The soil of the remaining portion of the township is mostly a sandy and gravelly clay loam, underlaid with clay subsoil, and suitable for dry farming. There is no source of water supply from which the land can be irrigated available. The mountainous part of the township is covered with a good growth of oak and pine timber.

The township is poorly watered by Ash Creek, and one spring in sec. 17.

Copper ore was found in secs. 4, 5, 6, and 7.

The greater portion of the level or rolling land in the township has been located by settlers, some of whom are residing on the land permanently, and engaged in the stock raising business and dry farming.

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Sidney E. Blout, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 64, Arizona, bearing date of the 8th day of November, 1915, 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 East and North boundaries of fracl. TOWNSHIP 24 SOUTH, RANGE 21 EAST, and the United States-Mexico International Boundary Line; resurveyed all those parts or portions of the North bdy. of fracl. TOWNSHIP 24 SOUTH, RANGE 21 EAST, and surveyed all those parts or portions of the Subdivision lines, and North bdy. of Frac'l. TOWNSHIP 24 SOUTH, RANGE 21 EAST, of the Gila and Salt River Base & 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 64, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement, resurvey and survey.

Sidney E. Blout
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, JUN 10, 1919

The foregoing field notes of the survey of retracement of the East bdy., and part of the North bdy. of Frac'l. TOWNSHIP 24 SOUTH, RANGE 21 EAST, and the United States-Mexico International Bdy. Line Mon. No. 98-Mon. No. 100; Resurvey of Part of the North bdy. of Frac'l. TOWNSHIP 24 SOUTH, RANGE 21 EAST, and Survey of Subdivision Lines, and part of the North bdy. of Frac'l. TOWNSHIP 24 SOUTH, RANGE 21 EAST, of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Sidney E. Blout, U. S. Surveyor, under his special instructions dated November 8, 1915, for Group 64, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys retracements, resurveys and surveys they describe, are hereby approved.

Frank P. Frith
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.