

FIELD NOTES

OF THE RETRACEMENT OF THE

First Standard Parallel North Through Part of Ranges 11 and 12 West,

OF THE RESURVEY OF THE

First Standard Parallel North Through Part of Range 12 West, and

OF THE SURVEY OF THE

North boundary, West boundary, and

Subdivision Lines of

TOWNSHIP 4 NORTH, RANGE 12 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

Ty White, U. S. Transitman

In the capacity of U. S. Surveyors, under Special Instructions dated May 20, 1921, issued by the United States Surveyor General to govern surveys included in Group No. 115, Arizona, which were approved by the Commissioner of the General Land Office, November 8, 1921, and Assignment Instructions dated October 23, 1922.

Retracement, resurvey
and Survey commenced January 11, 1923.

Retracement, resurvey
and Survey completed January 25, 1923.

3610

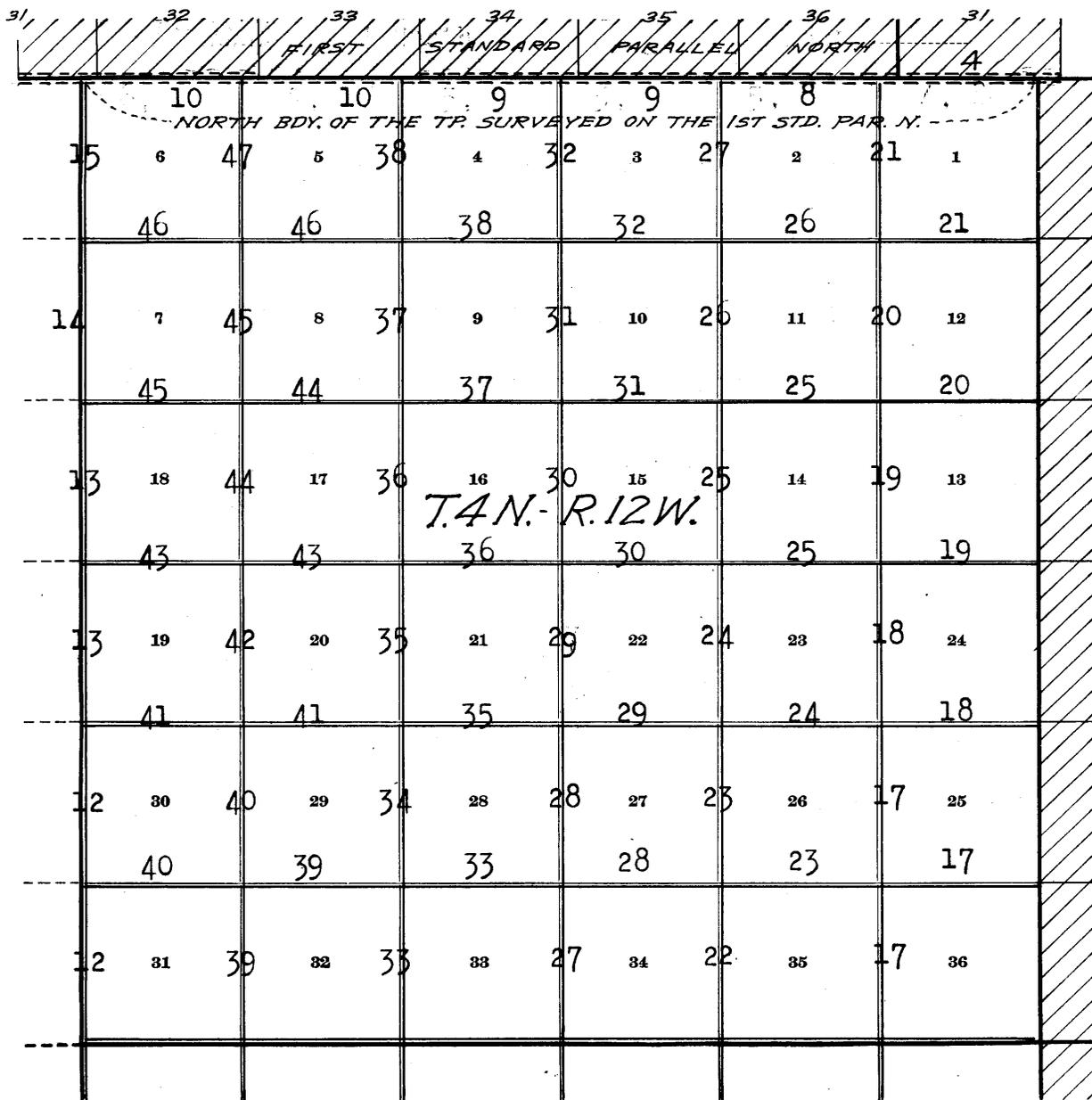
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1A

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BOOK 3610

INDEX DIAGRAM.



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

DATE DIAGRAM

Book "G"

Group 115 Arizona

Township 4 North, Range 12 West.

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

ACCEPTED SURVEY

For dates of survey of this line, see Book "F".

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

Broken red lines indicate retracements executed by William H. Thorn, U. S. Cadastral Engineer, on dates shown thereon.

Solid blue lines indicate surveys executed by Ty White, U. S. Transitman, on dates shown thereon.

Broken blue lines indicate retracements executed by Ty White, U. S. Transitman, on dates shown thereon.

Dotted blue lines indicate resurveyments executed by Ty White, U. S. Transitman, on dates shown thereon.

Black lines indicate accepted surveys.

Retracements, Resurveys and Surveys herein described, were executed on dates shown on diagram on page 1 hereof, by William H. Thorn, U.S.C. E., and Ty White, U.S.T., using respectively Young and Sons light of mountain transits Nos. 8592 and 8540, both instruments are equipped with full vertical circle and Smith solar attachment; unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

Field Test of Instrument No. 8592 by Mr. William H. Thorn, U. S. Cadastral Engineer.

January 11, 1923: I examine the adjustments of the transit and correct all errors; then, to test the solar apparatus, by comparing its indications, resulting from observations made during a.m. and p.m. hours with a meridian established by Polaris observation, I proceed as follows:

At the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of T. 3 N., R. 12 W., lat. $33^{\circ}35'N.$, long. $113^{\circ}32\frac{1}{2}'W.$, G. and S. R. B. and M., Arizona, at 9 hrs. 0 m., a.m., l.m.t., I set off $33^{\circ}35'N.$ on the lat. arc; $21^{\circ}51'S.$ on the decl. arc; and determine a meridian with the solar, which I transfer by careful fore-and back-sights to the cor. of Ts. 3 and 4 N., Rs. 12 and 13 W.

At the cor. of Ts. 3 and 4 N., Rs. 12 and 13 W., which is an iron post, established as described in Book "F", lat. $33^{\circ}38'N.$, long. $113^{\circ}32\frac{1}{2}'W.$, G. and S. R. B. and M., Arizona, at 12 hrs. 16 m., p.m., l.m.t., I observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined on a peg driven firmly in the ground, 5 chs. North.

Azimuth of Polaris, at eastern elongation $1^{\circ}19'28''$

I lay off the azimuth of Polaris, $1^{\circ}19\frac{1}{2}'$ to the West, and find that the true meridian thus determined coincides with the meridian projected to this cor. by fore and back-sights. I transfer this meridian by careful fore and back-sights to the cor. of secs. 25, 30, 31 and 36, on the W. bdy. of T. 4 N., R. 12 W.

At the cor. of secs. 25, 30, 31 and 36, on the W. bdy. of T. 4 N., R. 12 W., lat. $33^{\circ}39'N.$, long. $113^{\circ}32\frac{1}{2}'W.$, at 2 hrs. 0 m., p.m., l.m.t., I set off $33^{\circ}39'N.$ on the lat. arc; $21^{\circ}50'S.$ on the decl. arc; and determine a meridian with the solar, which agrees with the meridian determined by observations on Polaris.

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

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

Field Test of Instrument No. 8540 by Ty White, U. S. Transitman.

January 14, 1923: I examine the adjustments of the transit and correct all errors; then, to test the solar apparatus, by comparing its indications, resulting from observations made during a.m. and p.m. hours with a meridian established by Polaris observation, I proceed as follows:

At our camp, near the cor. of secs. 8, 9, 16 and 17, T. 3 N., R. 12 W., lat. $33^{\circ}36\frac{1}{2}'$ N., long. $113^{\circ}30\frac{1}{2}'$ W., G. and S. R. B. and M., Arizona, at 10 h. 4 m. a.m., l.m.t., I observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined on a peg driven firmly in the ground, 5 chs. North.

Azimuth of Polaris, at western elongation. $1^{\circ}19'26''$

January 14, 1923: At 7 hrs. 5 m., a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}19\frac{1}{2}'$ to the east, and mark the true meridian thus determined by a tack in a peg firmly driven in the ground, 5 chs. N. of my station.

At 9 hrs. 0 m., a.m., l.m.t., I set off $33^{\circ}36\frac{1}{2}'$ N. on the lat. arc; $21^{\circ}22'S$. on the decl. arc; and determine a meridian with the solar, which I find to agree with the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is $21^{\circ}21'S$., which agrees with the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arc unchanged, I set off $21^{\circ}19'S$. on the decl. arc, and determine a meridian with the solar, which I find to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1'30''$ of the true meridian, I conclude that the adjustment of the instrument is satisfactory.

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

Retracement of part of
The First Standard Parallel North Through part of R. 11 W.

Chains.

The First Standard Parallel North through Rs. 11 and 12 W. was originally surveyed in December, 1908, by John F. Hesse, U. S. D. S. No subsequent retracement or resurvey of this part of the line is of record.

The std. cor. of secs. 31 and 32, T. 5 N., R. 11 W. is a limestone, 10x6x5 ins. above ground, firmly set, marked SC on N. face, with 5 grooves on E. face & one groove on W. face, witnessed by a mound of stone, N. of cor. Thence

West on retracement, along the S. bdy of sec. 31. (E. $\frac{1}{2}$) As the topographical features in this mile are found to be in substantial agreement with the notes of the original survey, they are omitted from these notes, and reference is had to the original notes for such items.

10.63 Fall 2 lks. S. of the closing cor. of Ts. 4 N., Rs. 11 and 12 W., which is an iron post, 3 ins. diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by mound of stone, S. of cor.

Continue line and measurement.

39.79 Fall 16 lks. S. of the std. $\frac{1}{4}$ sec. cor. of sec. 31, which is a stone, 10 x 10 x 5 ins. above ground, firmly set, marked SC $\frac{1}{4}$ on N. face, witnessed by mound of stone, N. of cor. The true course and distance of this half mile are therefore N. 89° 46' W., 39.79 chs. and the C.C. of Ts. 4 N., Rs. 11 and 12 W. is therefore 2 lks. S. of the parallel. From the $\frac{1}{4}$ sec. cor.,

40.00 West on retracement, along the S. bdy. of sec. 31. (W. $\frac{1}{2}$) Fall 52 lks. S. of the std. cor. of Ts. 5 N., Rs. 11 and 12 W., which is a limestone, 6 x 8 x 6 ins. above ground, firmly set, marked SC on N., with 6 grooves on each of N.E. & W. faces, witnessed by a mound of stone, N. of cor. The true course and distance of this half mile are therefore N. 89° 15' W., 40.00 chs.

Land, level.

Soil, gravelly and stony, 4th rate.

Timber, scattering palo verde and ironwood.

Undergrowth, greasewood and cactus.

Retracement of First Std. Par. N. thru part of Range 12 West. 5

Chains.

From the std. cor. of Ts. 5 N., Rs. 11 and 12 W., hereinbefore described,
West, on retracement, along the South bdy. of sec. 36 (E. 1/2).
As the topographical features on the Standard Parallel thru. Range 12 West are found to be in substantial agreement with the notes of the original survey, they are omitted from these notes, and reference is had to the original notes for such items.

40.08 Fall 24 lks. N. of the std. 1/4 sec. cor. of sec. 36, which is a limestone, 8x7x5 ins. above ground, firmly set, marked SC 1/4 on N. face, witnessed by mound of stone, N. of cor.
The true course and distance of this half mile are therefore S. 89° 39' W., 40.08 chs.

From the 1/4 sec. cor.,
West, on retracement, along the S. bdy. of sec. 36 (W. 1/2).
40.04 Fall 11 lks. S. of the std. cor. of secs. 35 and 36, which is a limestone, 14x12x8 ins. above ground, firmly set, marked SC on N. face, 1 groove on E. face and 5 grooves on W. face and witnessed by a mound of stone, N. of cor.
The true course and distance of this half mile are therefore N. 89° 51' W., 40.04 chs.

Land, level and rolling.
Soil, gravelly; 4th rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood.

39.98 West, on retracement, along the S. bdy. of sec. 35 (E. 1/2).
Fall 12 lks. S. of the std. 1/4 sec. cor. of sec. 35, which is a limestone, 8x7x7 ins. above ground, firmly set, marked SC 1/4 on N. face, witnessed by mound of stone, N. of cor.
The true course and dist. of this half mile are therefore N. 89° 50' W., 39.98 chs.

40.06 From the 1/4 sec. cor.,
West, on retracement, along the S. bdy. of sec. 35 (W. 1/2).
Fall 12 lks. S. of the std. cor. of secs. 34 and 35, which is a limestone, 10x8x8 ins. above ground, firmly set, marked SC on N. face, 2 grooves on E. face and 4 grooves on W. face, witnessed by mound of stone, N. of cor.
The true course and dist. of this half mile are therefore N. 89° 50' W., 40.06 chs.

Land, rolling and nearly level.
Soil, gravelly and stony, 4th rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood and cactus.

40.00 West, on retracement, along the S. bdy. of sec. 34 (E. 1/2).
Fall 1 1/2 lks. S. of the std. 1/4 sec. cor. of sec. 34, which is a limestone, 12x10x6 ins. above ground, firmly set, marked SC 1/4 on N. face, witnessed by mound of stone, N. of cor.
The true course and dist. of this half mile are therefore N. 89° 59' W., 40.00 chs.

40.26 From the 1/4 sec. cor.,
West, on retracement, along the S. bdy. of sec. 34 (W. 1/2).
Intersect the true point for std. cor. of secs. 33 and 34, witnessed at 0.85 chs. West by a limestone 8x8x6 ins. above ground, firmly set, marked WC SC on N. face, with 3 grooves on each of E. and W. faces, witnessed by a mound of stone, N. of cor.
The true course and dist. of this half mile are therefore West, 40.26 chs.

The above described WC. is found by resurvey of S. bdy. of sec. 33 to be 0.85 chs. N. 89° 57' W. from the true cor. point.

6 Retracement of First Std. Par. N. thru part of Range 12 West.

Chains.

Land, level.
Soil, gravelly, 4th rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood.

The std. cor. of secs. 32 and 33 is a limestone, 10x8x8 ins. above ground, firmly set, marked SC on N. face, 4 grooves on E. face and 2 grooves on W. face, witnessed by a mound of stone, N. of cor.

Thence,

40.07 West, on retracement, along the S. bdy. of sec. 32 (E. $\frac{1}{2}$).
Fall 9 lks. S. of the true point for std. $\frac{1}{4}$ sec. cor. of sec. 32, witnessed at 0.35 chs. East, by a granite stone, 12x10x6 ins. above ground, firmly set, marked WC SC $\frac{1}{4}$ on N. face, witnessed by a mound of stone, N. of cor.
The true course and dist. of this half mile are therefore, N. 89° 52' W., 40.07 chs.
The above described WC. is therefore 0.35 chs. S. 89° 52' E. from the true cor. point.

From the true point for std. $\frac{1}{4}$ sec. cor.,

39.85 West, on retracement, along the S. bdy. of sec. 32 (W. $\frac{1}{2}$).
Intersect the true point for std. cor. of secs. 31 and 32, witnessed at 0.25 chs. East, by a malpais stone, 14x12x10 ins. above ground, firmly set, marked WC SC on N. face, 5 grooves on E. face, and 1 groove on W. face, witnessed by a mound of stone, N. of cor.
The true course and dist. of this half mile are therefore West, 39.85 chs.
The record course and dist. from the true point for std. cor. of secs. 31 and 32 to the WC thereto remains unchanged.

Land, mountainous and rolling.
Soil, sandy, gravelly and stony, 4th rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood.

39.27 From the true point for std. cor. of secs. 31 and 32,
West, on retracement, along the S. bdy. of sec. 31 (E. $\frac{1}{2}$).
Fall 12 lks. N. of the std. $\frac{1}{4}$ sec. cor. of sec. 31, which is a granite stone, 8x6x4 ins. above ground, firmly set, marked SC $\frac{1}{4}$ on N. face, witnessed by a mound of stone N. of cor.
The true course and distance of this half mile are therefore S. 89° 50' W., 39.27 chs.

Land, mountainous.
Soil, gravelly and stony, 4th rate.
Timber, palo verde and ironwood.
Undergrowth, greasewood, palo verde and cactus.

Resurvey of 1st Std. Par. North, thru, part of Range 12 West. 7

Chains.

The following notes describe a resurvey of the S. bdy. of sec. 33, T. 5 N., R. 12 W.

Retracement for Resurvey.

40.04 From the true point for std. cor. of secs. 33 and 34, witnessed at 0.85 chs. West, as hereinbefore described, West, on retracement, along the S. bdy. of sec. 33 (E. $\frac{1}{2}$). Fall 4 lks. S. of the true point for std. $\frac{1}{4}$ sec. cor. of sec. 33, determined as hereinafter described. The true course and distance of this half mile are therefore N. 89° 57' W., 40.04 chs., and the W.C. to std. cor. of secs. 33 and 34 is therefore 0.85 chs. N. 89° 57' W. from the true point for cor. of said secs.

40.08 From the true point for std. $\frac{1}{4}$ sec. cor. of sec. 33, West, on retracement, along the S. bdy. of sec. 33 (W. $\frac{1}{2}$). Fall 11 lks. N. of the std. cor. of secs. 32 and 33, which is a limestone, hereinbefore described. The true course and distance of this half mile are therefore S. 89° 51' W., 40.08 chs.

RESURVEY.

From the true point for std. cor. of secs. 33 and 34, witnessed at 0.85 chs. N. 89° 57' W., as hereinbefore described, N. 89° 57' W., on a true line, along the S. bdy. of sec. 33 (E. $\frac{1}{2}$). As the topographical features in this mile are found to be in substantial agreement with the notes of the original survey, they are omitted from these notes, and reference is had to the original notes for such items.

0.85 The witness cor. to std. cor. of secs. 33 and 34, hereinbefore described.

40.04 Intersect the true point for std. $\frac{1}{4}$ sec. cor. of sec. 33 as determined by record courses and distances to two bearing trees. Reconstruct the cor. at this point as follows: Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for std. $\frac{1}{4}$ sec. cor. of sec. 33, marked on brass cap,

S C
 $\frac{1}{4}$ S 33
1923

from which,
A mesquite, 5 ins. in diam., brs. N. 23 $\frac{1}{4}$ ° E., 182 lks. dist., marked $\frac{1}{4}$ S 33 SC BT., and
A palo verde, 6 ins. in diam., brs. N. 81° W., 67 lks. dist., marked $\frac{1}{4}$ S 33 SC BT., which are the original bearing trees.

Thence,
S. 89° 51' W., on a true line, along the S. bdy. of sec. 33 (W. $\frac{1}{2}$).
40.08 Intersect the std. cor. of secs. 32 and 33, which is a limestone, hereinbefore described.
Land, level and rolling.
Soil, sandy and gravelly, 4th rate.
Timber, scattering palo verde and mesquite.
Undergrowth, greasewood and cactus.

8 Survey of North bdy. of T.4 N., R.12 W., (1st. Std.Par. N.)

Chains.

The following notes describe a survey of the N. bdy. of T.4 N., R.12 W., establishing the N. $\frac{1}{4}$ sec. cors. of the N. tier of secs. thereof at midpoints between the closing cors. established in the survey of the subdivision lines of said Tp., as hereinafter described, with the exception of the N. $\frac{1}{4}$ sec. cor. of sec. 6, which is established at 40.00 chs. westing from the C.C. of secs. 5 and 6.

The courses on this Tp. bdy. are obtained in the retracement and resurvey of the First Standard Parallel North, thru. part of Ranges 11 and 12 West, hereinbefore described.

For items of topography, see original field notes of survey of the First Std. Parallel North.

From the true point for closing cor. of Ts. 4 N., Rs. 11 and 12 W., on the S. bdy. of sec. 31, T. 5 N., R. 11 W., 10.63 chs. N. $89^{\circ}46'$ W. of the std. cor. of secs. 31 and 32, hereinbefore described, and 0.02 chs. North of the original std. closing cor. of Ts. 4 N., Rs. 11 and 12 W., hereinbefore described,

29.16 N. $89^{\circ}46'$ W., on a true line, along the N. bdy. of sec. 1. Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 31, T. 5 N., R. 11 W., hereinbefore described.

Thence,

N. $89^{\circ}15'$ W., on a true line, on N. bdy. of sec. 1, continuing measurement.

40.19 (Midpoint). Set an iron post, 3 ft. long, 1 in. indiam., on bed rock, in a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, with marked (x) stone, for $\frac{1}{4}$ sec. cor. of sec. 1, T. 4 N., R. 12 W., marked on brass cap.

$\frac{1}{4}$ S 1
1923

69.16 No bearing trees available. Intersect the Std. cor. of Ts. 5 N., Rs. 11 and 12 W., hereinbefore described.

Thence,

S. $89^{\circ}39'$ W., on true line, along the N. bdy. of sec. 1, continuing measurement.

80.38 Point of intersection of the Subdivision line bet. secs. 1 and 2, T. 4 N., R. 12 W.

The closing cor. of said secs. is established here, as hereinafter described in notes of survey of the subdivision lines of said Tp.

Land, level and rolling.

Soil, gravelly, 4th rate.

Timber, scattering palo verde and ironwood.

Undergrowth, greasewood.

28.86 S. $89^{\circ}39'$ W., on a true line, along N. bdy. of sec. 2. Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 36, T. 5 N., R. 12 W., hereinbefore described.

Thence,

N. $89^{\circ}51'$ W., on a true line, along the N. bdy. of sec. 2, continuing measurement.

40.02 (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., on bed rock, in a mound of stone, 5 ft. base, $2\frac{1}{2}$ ft. high, with marked (x) stone for $\frac{1}{4}$ sec. cor. of sec. 2, T. 4 N., R. 12 W., marked on brass cap,

$\frac{1}{4}$ S 2
1923

68.90 No bearing trees available. Intersect the std. cor. of secs. 35 and 36, T. 5 N., R. 12 W., hereinbefore described.

Chains.	Thence, N. 89° 50' W., on a true line, along the N. bdy. of sec. 2, continuing measurement.
80.04	Point of intersection with the subdivision line bet. secs. 2 and 3, T. 4 N., R. 12 W. The closing cor. of said secs. is established here, as hereinafter described in notes of survey of the Subdivision lines of said Tp. Land, level and rolling. Soil, gravelly, 4th rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood.
28.84	N. 89° 50' W., on a true line, along the N. bdy. of sec. 3. Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 35, T. 5 N., R. 12 W., hereinbefore described.
40.00	Continue line and measurement. (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground on bed rock, in a mound of stone, 2 ft. base, 10 ins. high, for $\frac{1}{4}$ sec. cor. of sec. 3, T. 4 N., R. 12 W., marked on brass cap,
	$\frac{1}{4}$ S 3 1923
68.90	No bearing trees available. Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor. Intersect the std. cor. of secs. 34 and 35, T. 5 N., R. 12 W., hereinbefore described.
80.00	Thence N. 89° 59' W., on a true line, along the N. bdy. of sec. 3, continuing measurement. Point of intersection of the Subdivision line, bet. secs. 3 and 4, T. 4 N., R. 12 W. The closing cor. of said secs. is established here, as hereinafter described in notes of survey of the subdivision lines of said Tp. Land, rolling and nearly level. Soil, gravelly and stony, 4th rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood and cactus.
28.90	N. 89° 59' W., on a true line, along the N. bdy. of sec. 4. Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 34, T. 5 N., R. 12 W., hereinbefore described.
39.97	Thence, West, on a true line, along the N. bdy. of sec. 4, continuing measurement. (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, on bed rock, in a mound of stone, 4 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, with marked (x) stone, for $\frac{1}{4}$ sec. cor. of sec. 4, T. 4 N., R. 12 W., marked on brass cap,
	$\frac{1}{4}$ S 4 1923
69.16	No bearing trees available. The true point for std. cor. of secs. 33 and 34, witnessed at 0.85 chs. N. 89° 57' W., as hereinbefore described.
70.01	Thence, N. 89° 57' W., on a true line, along N. bdy. of sec. 4, continuing measurement,
79.94	W. C. to std. cor. of secs. 33 and 34. Point of intersection with the subdivision line, bet. secs. 4 and 5, T. 4 N., R. 12 W. The witness cor. to closing cor. of said secs. is established 0.15 chs. S. 0° 2' E. of the true point for closing

10 Survey of North bdy. of T.4 N., R.12 W. (1st. Std. Par. N.)

Chains.

cor. as hereinafter described in notes of survey of the
Subdivision lines of said Tp.

Land, level.

Soil, gravelly, 4th rate.

Timber, scattering palo verde and ironwood.

Undergrowth, greasewood.

29.26 From the true point for closing cor. of secs. 4 and 5,
N. 89° 57' W., on a true line, along the N. bdy. of sec. 5.
Intersect the std. $\frac{1}{4}$ sec. cor. of sec. 33, T. 5 N., R. 12 W., here-
inbefore described.

Thence,

S. 89° 51' W., on a true line, along the N. bdy. of sec. 5,
continuing measurement.

40.03 (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam.,
26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 5, T. 4 N.,
R. 12 W., marked on brass cap,

$\frac{1}{4}$ S 5
1923

from which,

A mesquite, 4 ins. in diam., brs. S. 54 $\frac{1}{2}$ ° E., 103
lks. dist., marked BT.

A mesquite, 24 ins. in diam., brs. S. 36 $\frac{3}{4}$ ° W., 110
lks. dist., marked $\frac{1}{4}$ S 5 BT.

69.34 Intersect the std. cor. of secs. 32 and 33, T. 5 N., R. 12 W.,
hereinbefore described.

Thence,

N. 89° 52' W., on a true line, along the N. bdy. of sec. 5,
continuing measurement.

80.06 Point of intersection of the Subdivision line bet. secs.
5 and 6, T. 4 N., R. 12 W.

The closing cor. of said secs. is established here, as
hereinafter described in notes of survey of the sub-
division lines of said Tp.

Land, mountainous and rolling.

Soil, sandy, gravelly and stony, 4th rate.

Timber, scattering palo verde and ironwood.

Undergrowth, greasewood.

29.00 N. 89° 52' W., on a true line, along the N. bdy. of sec. 6.
W.C. to std. $\frac{1}{4}$ sec. cor. of sec. 32.

29.35 The true point for std. $\frac{1}{4}$ sec. cor. of sec. 32.

Thence,

West, on a true line, along the N. bdy. of sec. 6, continu-
ing measurement,

40.00 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. of sec. 6, T. 4 N., R. 12 W., marked on
brass cap,

$\frac{1}{4}$ S 6
1923

No bearing trees available. Raise a mound of stone, 2
ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.

68.95 W.C. to std. cor. of secs. 31 and 32.

69.20 Intersect the true point for std. cor. of secs. 31 and 32,
T. 5 N., R. 12 W.

Thence,

S. 89° 50' W., on a true line, along the N. bdy. of sec. 6,
continuing measurement.

77.84 Point of intersection of the West bdy. of T. 4 N., R. 12
W.

Survey of North bdy. of T. 4 N., R. 12 W. (1st Std. Par. N.)

Chains.

The closing cor. of Ts. 4 N., Rs. 12 and 13 W., is established here, as hereinafter described in notes of survey of West boundary of T. 4 N., R. 12 W.

Land, mountainous and rolling.

Soil, gravelly and stony, 4th rate.

Timber, palo verde and ironwood.

Undergrowth, palo verde, greasewood and cactus.



12 Survey of West bdy. of Township 4 North, Range 12 West.

Chains.

- From the cor. of Ts. 3 and 4 N., Rs. 12 and 13 W., described in Book "F," North, bet. secs. 31 and 36. Over level land, thru. scattering timber and dense undergrowth.
- 8.10 Dim road, brs. NW. and SE.
 13.30 Wash, 10 lks. wide, course SW.
 16.20 Old road, brs. E. and W.
 16.90 Old road, brs. NE. and SW.
 19.40 Wash, 20 lks. wide, course SE.
 21.70 Road, brs. N. 30° W. and S. 30° E.
 33.40 Same wash, course S. 30° 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,

$\frac{1}{4}$
 S36 | S31
 1923

- No bearing trees available. Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
- 46.90 Wash, 15 lks. wide, course SW.
 70.50 Wash, 25 lks. wide, 8 ft. deep, course W. Leave level land, brs. E. and W. Enter mountainous land. Ascend 145 ft., over S. slope, to
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 12 ins. in the ground, to bed rock, supported in a mound of stone for cor. of secs. 25, 30, 31 and 36, marked on brass cap,

TAN
 R13W | R12W
 S25 | S30
 S36 | S31
 1923

No bearing trees available. Raise a mound of stone 3 ft. base, 2 ft. high, W. of cor. Land, level and mountainous. Soil, rocky, 4th rate, malpais formation. Timber, palo verde and ironwood. Undergrowth, greasewood.

-
- North, bet. secs. 25 and 30. Over mountainous land, thru. scattering timber and undergrowth. Ascend 100 ft., over S. slope.
- 3.77 Top of hill. Desc. 103 ft., over NE. slope.
 9.00 Head of ravine, course SE. From this point, saddle brs. West, 1 ch. dist. Ascend 150 ft., over SE. slope. From this point, prospect hole brs. East, 2.50 chs. dist.
- 20.60 Spur, slopes SW. Desc. 50 ft., over NW. slope.
 23.60 Ascend 10 ft., over SW. slope.
 26.00 Spur, slopes NW.
 28.70 Descend 126 ft., over N. slope, to
- 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,

$\frac{1}{4}$
 S25 | S30
 1923

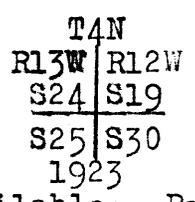
- No bearing trees available. Raise mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Desc. 16 ft., over N. slope.
- 45.90 Draw, course W. Ascend 30 ft., over SW. slope.
 51.00 Spur, slopes NW. Desc. 64 ft., over NE. slope.
 59.30 Center of wash, 1 ch. wide, course N. 30° W. Asc. 60 ft., over SE. slope to sec. cor.

Survey of West bdy. of Township 4 North, Range 12 West. 13

Chains.

60.50
80.00

Old road brs. N.70°E. and S.70°W.
Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked on brass cap,

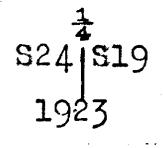


No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Land, mountainous.
Soil, rocky, 4th rate, malpais and limestone formation.
Timber, mesquite and ironwood.
Undergrowth, greasewood, ocotillo and catclaw.

North, bet. secs. 19 and 24.
Over mountainous land, thru. scattering timber and undergrowth.

4.25
15.50
17.46
27.50
32.30
37.75
40.00

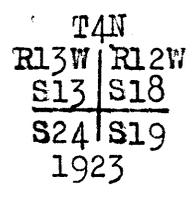
Ascend 60 ft., over SE. slope.
Dim road, brs. N.70°E. and S.70°W.
Spur, slopes E. Desc. 25 ft., over N. slope.
Wash, 50 lks. wide, course SE.
Ascend 125 ft., over SW. slope.
Point of spur, slopes W.
Descend 57 ft. over NW. slope.
Center of ravine, 2 chs. wide, course W.
Ascend 55 ft., over S. slope.
Point of spur, slopes W. Descend 30 ft., over NW. slope, to
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,



No bearing trees available. Raise a mound of stone 2 1/2 ft. base, 2 ft. high, W. of cor.
Descend slightly over NW. slope.

40.20
43.00
44.80
58.82
72.80
78.00
80.00

Ravine, course SW. Heads about 1.00 ch. NE.
Ascend 55 ft., over S. slope.
Spur, slopes E. Desc. 27 ft., over N. slope.
Wash, course S.50°E. Asc. 286 ft., over S. slope.
Ridge, brs. E. and W. Desc. 225 ft., over N. slope.
Wash, 30 lks. wide, 10 ft. deep, course E,
Ascend 110 ft., over S. slope.
Spur, slopes E. Descend 45 ft., over N. slope, to
Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked on brass cap,



No bearing trees available.
Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Land, mountainous.
Soil, rocky, 4th rate, limestone and malpais formation.
Timber, palo verde, ironwood and mesquite.
Undergrowth, greasewood, catclaw, ocotillo and cactus.

North, bet. secs. 13 and 18.
Over rolling land, thru. scattering timber and undergrowth.
Descend 100 ft., over N. slope.

14.10

Wash, 30 lks. wide, course NE.
Ascend 30 ft., over gradual SE. slope.

14 Survey of West bdy. of Township 4 North, Range 12 West.

Chains.	
30.00	Point of spur, slopes NE. Descend 34 ft., over N.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 (X) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,
	$\frac{1}{4}$ S13 S18 1923
	No bearing trees available.
54.90	Descend 20 ft., over N.slope. Center of wash, 3.20 chs.wide, course S.50°E.
67.50	Ascend 60 ft., over SW.slope. SW.end of ridge, bearing NE, and SW. Desc.15 ft. over NW.slope, to
79.75	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for witness cor.to cor.of secs. 7,12, 13 and 18, marked on brass cap,
	W C TAN R13W R12W S12 S 7 S13 S18 1923
80.00	No bearing trees available. Raise a mound of stone 3 ft. base, 2 ft. high, W.of cor. The true point for cor.of secs.7, 12,13, and 18 falls in edge of wash, course SW., where it could not be safely monumented.
	Land, rolling. Soil, rocky, 4th rate; limestone formation. Timber, palo verde, ironwood and mesquite. Undergrowth, greasewood, ocotillo, catclaw and cactus.

	From the true point for cor.of secs.7,12,13 and 18, North, bet. secs.7 and 12. Over mountainous land, thru. scattering timber and undergrowth. Across wash.
1.00	Leave wash, course SW. Ascend 235 ft., over SE.slope.
15.40	Spur, slopes SW. Descend 100 ft., over NW.slope.
23.60	Head of wash, course W. Ascend 135 ft., over S.slope.
28.00	Spur, slopes W. Descend 125 ft., over N.slope.
38.00	Center of ravine, 2 chs.wide, 50 ft. deep, course W. Ascend 32 ft., over S.slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., over cross (x) marked on surface rock, supported in a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,
	$\frac{1}{4}$ S12 S 7 1923
45.00	No bearing trees available. Asc.65 ft., over S.slope. Spur, slopes W. Desc.125 ft., over N.slope.
57.40	Wash, 30 lks.wide, course W. Leave mountainous and enter rolling land. Asc.slightly over W.slope, to
77.30	Wash, 30 lks.wide, 8 ft. deep, course W. Ascend 17 ft., over S.slope, to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor.of secs.1,6,7, and 12, marked on brass cap,

Chains.

T4N
 R13W | R12W
 S 1 | S 6
 S12 | S 7
 1923

No bearing trees available. Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
 Land, mountainous and rolling.
 Soil, rocky, 4th rate.
 Timber, palo verde, ironwood and mesquite.
 Undergrowth, greasewood, ocotillo, catclaw and cactus.

North, bet. secs. 1 and 6.
 Over mountainous land, thru. scattering timber and undergrowth.

- 3.60 Ascend 145 ft., over S. slope.
- 11.75 From this point, prospect hole brs. West about 1.20 chs.
- 28.15 Ridge, brs. E. and W. Desc. 105 ft., over N. slope.
- 33.20 Wash, 20 lks. wide, course NW. Asc. 33 ft., over SW. slope.
- 35.10 Point of spur, slopes W. Desc. 32 ft., over NW. slope.
- 40.00 Wash, 10 lks. wide, course NW. Asc. 34 ft., over SW. slope, to 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., marked on brass cap,

$\frac{1}{4}$
 S 1 | S 6
 1923

- 42.80 No bearing trees available. Raise mound of, stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Descend 50 ft., over N. slope.
- 51.00 Draw, course W. Ascend 60 ft., over S. slope.
- 55.00 Ridge, brs. E. and W. Descend 72 ft., over N. slope.
- 68.90 Head of draw, course NE. Ascend 53 ft., over SE. slope.
- 76.15 Ridge, brs. NE. and SW. Descend 70 ft., over NW. slope, to Intersect the First Standard Parallel North at a point 8.64 chs. S 89°50' W. of the true point for std. cor. of secs. 31 and 32, T. 5 N., R. 12 W., witnessed at 0.25 chs. E., as hereinbefore described.

At the point of intersection, Set an iron post, 3 ft. long, 3 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 closing cor. of Ts. 4 N., Rs. 12 and 13 W., marked on brass cap,

T5N R12W
 S31
 S 1 | S 6
 R13W | R12W
 T4N
 C C
 1923

No bearing trees available.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde, ironwood and mesquite.
 Undergrowth, greasewood, ocotillo, catclaw and cactus.

Boundaries of Township 4 North, Range 12 West.

Latitudes, Departures and Closing Errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	S.89°59'W.	478.53		.09		478.53
West boundary,	North,	476.15	476.15			
North boundary (1st. Std. Par. N.)	N.89°50'E.	8.64	.03		8.64	
	East,	39.85			39.85	
	S.89°52'E.	40.07		.09	40.07	
	N.89°51'E.	40.08	.11		40.08	
	S.89°57'E.	40.04		.04	40.04	
	East,	40.26			40.26	
	S.89°59'E.	40.00		.02	40.00	
	S.89°50'E.	80.04		.24	80.04	
	S.89°51'E.	40.04		.11	40.04	
	N.89°39'E.	40.08	.24		40.08	
S.89°15'E.	40.00		.52	40.00		
S.89°46'E.	29.16		.12	29.16		
East boundary,	South,	475.32		475.32		
Convergency,					.48	
Totals.			476.53	476.55	478.74	478.53
				476.53	478.53	
Error in latitude,				0.02		
Error in departure,				0.21		

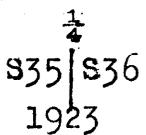
Survey of Subdivision lines of Township 4 North Range 12 West 17

Chains.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., described in Book "F," N. 0° 1' W., bet. secs. 35 and 36.

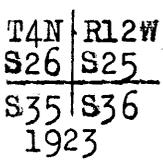
10.00 Over level land, thru. scattering timber and dense undergrowth, across branch of Centennial Wash, course SE. E. edge of branch of Centennial Wash, brs. NW. and SE. Leave said wash.

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



No bearing trees available. Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

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, marked on brass cap,



No bearing trees available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, level. Soil, sandy, 2nd and 3rd rate. Timber, mesquite. Undergrowth, greasewood.

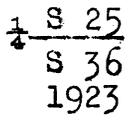
N. 89° 59' E., on a random line, bet. secs. 25 and 36.

40.00 Set temp. 1/4 sec. cor.

80.02 Fall 5 lks. S. of the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by 4 pits, one each NE., SE., SW. and NW. of post, and a mound of earth, W. of cor. No bearing trees.

Thence, S. 89° 57' W., on a true line, bet. secs. 25 and 36.

40.01 Over level land, thru. scattering timber and undergrowth. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,



No bearing trees available. Dig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.

50.00 Branch of Centennial Wash, 2.00 chs. wide, course SE.

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

Land, level. Soil, sandy, 2nd and 3rd rate. Timber, mesquite. Undergrowth, greasewood.

N. 0° 1' W., bet. secs. 25 and 26.

33.00 Over level land, thru. scattering timber and undergrowth. Branch of Centennial Wash, 3.00 chs. wide, course SE.

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,



18 Survey of Subdivision lines of Township 4 North, Range 12 West

Chains.

No bearing trees available.
Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

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

T4N R12W
S23 S24
S26 S25

1923

No bearing trees available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, level.
Soil, sandy, 2nd and 3rd rate.
Timber, mesquite.
Undergrowth, greasewood.

40.00 N. 89° 57' E., on a random line, bet. secs. 24 and 25.
Set temp. $\frac{1}{4}$ sec. cor.

80.08 Fall 2 lks. N. of the cor. of secs. 19, 24, 25 and 30, on E. bdy. of Tp., which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by 4 pits, one each NE., SE., SW. and NW. of cor., and mound of earth, W. of cor.

No bearing trees.

Thence,
S. 89° 58' W., on a true line, bet. secs. 24 and 25.
Over level land, thru. scattering timber and undergrowth.

25.10 Wash, 5 lks. wide, course SE.

40.04 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 24
S 25
1923

No bearing trees available.
Dig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.

80.08 The cor. of secs. 23, 24, 25 and 26.

Land, level.
Soil, sandy, 2nd and 3rd rate.
Timber, mesquite.
Undergrowth, greasewood.

N. 0° 1' W., bet. secs. 23 and 24.
Over level land, thru. scattering timber and 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,

$\frac{1}{4}$
S23 S24
1923

No bearing trees available.
Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

42.00 Wash, 5 lks. wide, course SE.

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

Survey of Subdivision lines of Township 4 North, Range 12 West. 19

Chains.

ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap,

T4N	R12W
S14	S13
S23	S24
1923	

No bearing trees available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, level.
Soil, sandy, 2nd and 3rd rate.
Timber, mesquite.
Undergrowth, greasewood.

- 40.00 N. 89°58'E., on a random line, bet. secs. 13 and 24.
- 80.10 Set temp. 1/4 sec. cor.
- 80.10 Fall 7 lks. S. of the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of Tp., which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap and witnessed by two properly marked bearing trees, one each NW. and SW., four pits, one each NE., SE., SW. & NW., and mound of earth W. of cor.
- Thence,
- 1.80 S. 89°55'W., on a true line, bet. secs. 13 and 24.
- 21.90 Over level land, thru. scattering timber and undergrowth.
- 26.10 Wash, 35 lks. wide, course S.
- 40.05 Wash, 10 lks. wide, course SW.
- Road brs. NW. to Salome and SE. to Buckeye.
- 40.05 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 13
S 24
1923

from which,
A mesquite, 14 lks. diam., brs. S. 80°E., 14 lks. dist., marked 1/4 S 24 BT.

No other bearing tree available.
Dig pits 18x18x12 ins., one each E. and W. of post, 3 ft. dist.

- 80.10 The cor. of secs. 13, 14, 23 and 24.
- Land, level.
- Soil, sandy and gravelly, 2nd and 3rd rate.
- Timber, mesquite.
- Undergrowth, greasewood.

- 6.50 N. 0°1'W., bet. secs. 13 and 14.
- 7.00 Over level land, thru. scattering timber and dense undergrowth.
- 30.10 Wash, 15 lks. wide, course S. 30°W.
- 40.00 Same wash, course SE.
- Road, brs. NW. to Salome and SE. to Buckeye.
- 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,

1/4 S14	S13
1923	

No bearing trees available.
Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

- 43.00 Enter dense timber, brs. NE. and SW.
- 50.50 Enter wash, 15 lks. wide, course S. 15°W., from N.

20 Survey of Subdivision lines of Township 4 North, Range 12 West.

Chains.

70.00 Leave wash, course S. from N. 15° E. Enter dense, and enter scattering timber.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap,

T4N	R12W
S11	S12
S14	S13

1923

No bearing trees available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, level.

Soil, sandy and gravelly, 3rd rate.

Timber, mesquite, ironwood and palo verde.

Undergrowth, greasewood.

40:00

N. $89^{\circ}55'$ E., on a random line, bet. secs. 12 and 13.

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

80:16

Fall 5 lks. S. of the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by one properly marked bearing tree NE., four pits, one each NE., SE., SW. and NW., and mound of earth W. of cor.

Thence,

S. $89^{\circ}53'$ W., on a true line, bet. secs. 12 and 13.

Over level land, thru. scattering timber and undergrowth.

11.85

Old road, brs. NW. and SE.

36.55

Wash, 10 lks. wide, course S. 10° E.

40:08

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
	1923

No bearing trees available.

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

59.85

Wash, 15 lks. wide, course S. 10° E.

66.15

Wash, 10 lks. wide, course S. 30° W.

70.15

Wash, 15 lks. wide, course S. 45° W.

77.55

Wash, 15 lks. wide, course S. 10° W.

80:16

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

Land, level.

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

Timber, palo verde, mesquite, and ironwood.

Undergrowth, greasewood.

0.80

N. 0° 1' W., bet. secs. 11 and 12.

Over level land, thru. scattering timber and undergrowth.

12.60

Wash, 10 lks. wide, course S. 10° W.

25.10

Dim road, brs. NE. and SW.

40:00

Dim road, brs. NW. and SE.
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,

S11	S12
-----	-----

1923

No bearing trees within limits.

Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

Survey of the Subdivision lines of Township 4 North, Range 12 West 21

Chains

48.10 Wash, 25 lks. wide, course SW. Dim road, brs. NW. and SE.
 53.40 Enter same wash, course SE, from N.
 58.70 Leave wash, course S. from NE.
 77.60 Same wash, course SE. from N.
 79.20 Same wash, course S. from NE.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap,

T4N	R12W
S 2	S 1
S11	S12

1923

No bearing trees available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, level.

Soil, sandy and stony, 3rd rate.

Timber, mesquite, palo verde and ironwood.

Undergrowth, ocotillo, greasewood and cactus.

40.00 N. 89° 53' E., on a random line, bet. secs. 1 and 12.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Fall 5 lks. S. of the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of Tp., which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set properly marked on brass cap, and witnessed by 4 pits, one each NE., SE., SW. and NW., and mound of earth W. of cor.
 No bearing trees.

Thence,

S. 89° 51' W. on a true line, bet. secs. 1 and 12.

Over level land, thru. scattering timber and undergrowth.

16.70 Wash, 10 lks. wide, course SW.

21.00 Wash, 20 lks. wide, course S.

33.40 Center of wash, 1 ch. wide, course S.

35.20 Dim road, brs. N. and S.

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,

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

1923

from which,

An ironwood, 6 ins. in diam., brs. N. 16° E., 236 lks. dist., marked $\frac{1}{4}$ S 1 BT.

An ironwood, 8 ins. in diam., brs. S. 61 $\frac{1}{2}$ ° W., 387 lks. dist., marked $\frac{1}{4}$ S 12 BT.

42.40 Wash, 15 lks. wide, course SW.

43.80 Dim road, brs. NE. and SW.

52.10 Wash, 15 lks. wide, course SW.

56.20 Wash, 15 lks. wide, course S. 15° W.

60.00 Wash, 10 lks. wide, 5 ft. deep, course SW.

79.40 Wash, 25 lks. wide, course SW.

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

Land, level.

Soil, sandy and gravelly, 3rd rate.

Timber, mesquite, palo verde and ironwood.

Undergrowth, greasewood and cactus.

8.70 N. 0° 1' W., on a true line, bet. secs. 1 and 2.
 Over level land, thru. scattering timber and undergrowth.
 12.60 Wash, 30 lks. wide, course SE.
 15.00 Enter same wash, course SW. from N.
 17.00 Leave wash, course S. from NW.
 21.70 Wash, 10 lks. wide, course W.
 Same wash, course SW.

22 Survey of Subdivision lines of Township 4 North, Range 12 West.

Chains.

- 25.00 Same wash, course SE., from N.
 30.40 Leave wash, course S. from NW.
 37.50 Same wash, course SW.
 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 2	S 1
-----	-----

1923

from which,

- An ironwood, 3 ins. in diam., brs. N. $48\frac{1}{2}^{\circ}$ E., 75 lks. dist., marked BT.
 An ironwood, 5 ins. in diam., brs. N. 16° W., 124 lks. dist., marked $\frac{1}{4}$ S 2 BT.
 49.70 Dim road, brs. NE. and SW.
 58.50 Giant cactus on line, marked with 2 notches on each of N. and S. faces.
 62.30 Giant cactus on line, marked with 2 notches on each of N. and S. faces.
 76.18 Intersect the First Standard Parallel North, 11.22 chs. S. $89^{\circ}39'$ W. of the standard cor. of Ts. 4 N., Rs. 11 and 12 W., hereinbefore described.

At the point of intersection,

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 closing cor. of secs. 1 and 2, marked on brass cap,

T5N R12W

S36

S 2 | S 1

T4N R12W

C C

1923

No bearing trees available. Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, S. of cor.

Land, level.

Soil, sandy and gravelly, 3rd rate.

Timber, mesquite, ironwood and palo verde.

Undergrowth, greasewood.

From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of Tp., described in Book "F,"

N. $0^{\circ}1'$ W., bet. secs. 34 and 35.

Over level land, thru. scattering timber and dense undergrowth.

- 18.00 West edge of Centennial Wash, brs. NW. and SE., thence in said wash, course SE. from N..
 38.80 Dim road, brs. NW. and SE.
 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,

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

S34	S35
-----	-----

1923

No bearing trees available. Dig pits 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

Continue in Centennial Wash.

- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 26, 27; 34 and 35, marked on brass cap,

Survey of Subdivision lines of Township 4 North Range 12 West. 23

Chains.

T4N	R12W
S27	S26
S34	S35
1923	

No bearing trees available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, level.

Soil, sandy, 2nd and 3rd rate.

Timber, mesquite and ironwood.

Undergrowth, greasewood.

40.00 N. 89°59'E., on a random line, bet. secs. 26 and 35.
 80.00 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 25, 26, 35 and 36.
 Thence,
 West, on a true line, bet. secs. 26 and 35.
 Over level land, thru. scattering timber and undergrowth.
 3.50 Branch of Centennial Wash, 3.00 chs. wide, course S. from NW.
 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 26
S 35
1923

62.00 No bearing trees available. Dig pits 18x18x12 ins. one each, E. and W. of post, 3 ft. dist.
 East edge of Centennial Wash, brs. N. and S. Thence across said wash, course S.
 80.00 The cor. of secs. 26, 27, 34 and 35.
 Land, level.
 Soil, sandy, 2nd and 3rd rate.
 Timber, mesquite.
 Undergrowth, greasewood.

40.00 N. 0°1'W., bet. secs. 26 and 27.
 Over level land, thru. scattering timber and undergrowth, in Centennial Wash, course S.
 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 27	S 26
1923	

from which,

A mesquite, 6 ins. in diam., brs. N. 62 $\frac{1}{4}$ ° E., 17 lks. dist., marked $\frac{1}{4}$ S 26 BT.

A mesquite, 7 ins. in diam., brs. N. 76 $\frac{3}{4}$ ° W., 67 lks. dist., marked $\frac{1}{4}$ S 27 BT.

80.00 Continue in Centennial Wash.
 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked on brass cap,

T4N	R12W
S22	S23
S27	S26
1923	

from which,

24 Survey of Subdivision lines of Township 4 North, Range 12 West.

Chains.

- A mesquite, 6 ins. in diam., brs. N. 47° E., 220 lks. dist., marked T4N R12W S23 BT.
- A mesquite, 5 ins. in diam., brs. S. 40½° E., 98 lks. dist., marked T4N R12W S26 BT.
- A mesquite, 6 ins. in diam., brs. S. 62½° W., 46 lks. dist., marked T4N R12W S27 BT.
- A mesquite, 7 ins. in diam., brs. N. 43½° W., 37 lks. dist., marked T4N R12W S22 BT.

Land, level.
Soil, sandy, 2nd and 3rd rate.
Timber, mesquite.
Undergrowth, greasewood.

- 40.00 East, on a random line, bet. secs. 23 and 26.
- 79.98 Set temp. ¼ sec. cor.
Intersect the cor. of secs. 23, 24, 25 and 26.
Thence,
West, on a true line, bet. secs. 23 and 26.
Over level land, thru. scattering timber and undergrowth.
- 15.00 Enter branch of Centennial Wash, course SE.
- 34.00 Leave branch of Centennial Wash,
- 39.99 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 23
 S 26
 1923

- 45.00 No bearing trees available.
- 62.50 Dig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.
- 73.00 Enter branch of Centennial Wash, course SE.
- 79.98 Leave branch of Centennial Wash.
- 73.00 Enter Centennial Wash, course S.
- 79.98 The cor. of secs. 22, 23, 26 and 27.

Land, level.
Soil, sandy, 2nd and 3rd rate.
Timber, mesquite and ironwood.
Undergrowth, greasewood.

- 34.00 N. 0° 1' W., bet. secs. 22 and 23.
Over level land, thru. scattering timber and undergrowth, in Centennial Wash, course S. Two branches of this wash extend SE. from the main wash.
- 40.00 East edge of Centennial Wash, brs. NW. and SE. Leave said wash.
- 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,

$\frac{1}{4}$
 S22 | S23
 1923

- 80.00 No bearing trees available. Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on brass cap,

T4N | R12W
 S15 | S14
S22 | S23
 1923

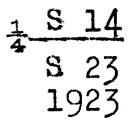
No bearing tree available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.
Land, level.

Survey of Subdivision lines of Township 4 North, Range 12 West. 25

Chains.

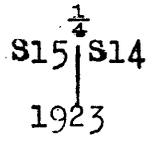
Soil, sandy, 2nd and 3rd rate.
Timber, mesquite.
Undergrowth, greasewood and cactus.

40.00 East, on a random line, bet. secs.14 and 23.
Set temp. $\frac{1}{4}$ sec.cor.
79.98 Intersect the cor.of secs.13,14,23 and 24.
Thence,
West, on a true line, bet. secs.14 and 23.
Over level land, thru. scattering timber and undergrowth.
3.50 Wash, 15 lks.wide, course S.30°W.
39.99 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,

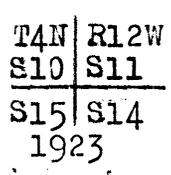


79.98 No bearing trees available. Dig pits, 18x18x12 ins., one
each E.and W.of post, 3 ft. dist.
The cor.of secs.14,15,22 and 23.
Land, level.
Soil, gravelly and stony, 3rd rate.
Timber, mesquite, ironwood and palo verde.
Undergrowth, greasewood, ocotillo and cactus.

23.30 N.0°1'W., bet. secs. 14 and 15.
Over level land, thru. scattering timber and undergrowth.
Road, brs.SE and NW. Extends northwesterly to Salome and
southeasterly to Buckeye.
31.90 Dim road, brs.NE and SW:
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,



80.00 No bearing trees available. Dig pits, 18x18x12 ins., one
each N.and S.of post, 3 ft. dist.
Set an iron post, 3 ft.long, 2 ins. in diam., 26 ins.in
the ground, for cor.of secs.10,11,14 and 15,marked
on brass cap,



No bearing trees available.
Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW of
post, 3 ft. dist.
Land, level.
Soil, sandy, gravelly and stony, 3rd rate.
Timber, mesquite, ironwood, and palo verde.
Undergrowth, greasewood, ocotillo and cactus.

40.00 East, on a random line, bet. secs.11 and 14.
Set temp. $\frac{1}{4}$ sec.cor.
80.00 Intersect the cor.of secs.11,12,13 and 14.
Thence,
West, on a true line, bet. secs.11 and 14.
Over level land, thru. scattering timber and undergrowth.

Survey of the Subdivision lines of Township 4 North, Range 12 West

Chains.

13.10 Dim road, brs.NE. and SW.
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 11
S 14
1923

No bearing trees available. Dig pits, 18x18x12 ins., one each E. and W.of post, 3 ft. dist.

74.60 Wash, 10 lks.wide, course S.

80.00 The cor. of secs. 10,11,14 and 15.

Land, level.

Soil, sandy, 2nd and 3rd rate.

Timber, mesquite and ironwood.

Undergrowth, greasewood, sagebrush and cactus.

N.0°1'W., bet. secs.10 and 11.

Over level land, thru. scattering timber and undergrowth.

8.30 Wash,10 lks.wide, course S.10°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,

$\frac{1}{4}$
S10 | S11
1923

No bearing trees available. Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

41.20 Dim road, brs.NE, and SW.

52.70 Dim road, brs.NE and SW.

61.90 Dim road, brs.E and W.

69.10 Dim road, brs.NW and SE.

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

T4N | R12W
S 3 | S 2
S10 | S11
1923

No bearing trees available.

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

Soil, sandy, 2nd and 3rd rate.

Timber, mesquite and ironwood.

Undergrowth, greasewood, sagebrush and cactus.

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

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

80.02 Intersect N. and S. line, 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. scattering timber and undergrowth.

17.60 Wash,50 lks.wide, course SE.

26.40 Dim road, brs.NE. and SW.

40.01 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 2
S 11
1923

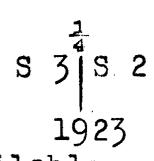
No bearing trees available. Raise a mound of stone,3 ft. base, 2 $\frac{1}{2}$ ft. high, N.of cor.

Survey of the
Subdivision of T. 4 N., R. 12 W.

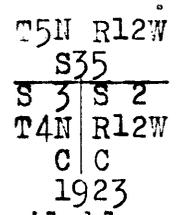
Chains.

56.60 Dim road, brs. N. and S.
 60.30 Wash, 10 lks. wide, course S.
 63.30 Wash, 10 lks. wide, course S.
 80.02 The cor. of secs. 2, 3, 10 and 11.
 Land, level.
 Soil, sandy, and rocky, 3rd rate.
 Timber, ironwood, palo verde, and mesquite.
 Undergrowth, greasewood, ocotillo, and cactus.

N.0°1'W. on a true line, bet. secs. 2 and 3.
 Over level land, through scattering timber and under-
 growth.
 33.50 Wash, 25 lks. wide, 12 ft. deep, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
 ground, in a mound of stone, 3½ ft. base, 1½ ft. high,
 to bed rock, for ¼ sec. cor., marked on brass

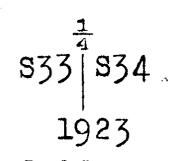


No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of
 cor.
 42.60 Same wash, 25 lks. wide, course SE.
 67.00 Enter wash, course S.15°W., from N.
 72.00 Leave wash, course S., from NE.
 76.05 Intersect the First Standard Parallel North, 11.14 chs.
 N.89°50'W. of the std. cor. of secs. 35 and 36, T. 5 N.,
 R. 12 W., hereinbefore described.



At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for closing cor. of secs. 2 and 3, marked on
 brass cap
 No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2½ ft. high, S. of
 cor.
 Land, level.
 Soil, gravelly and stony, 3rd rate.
 Timber, mesquite, palo verde, and ironwood.
 Undergrowth, greasewood, ocotillo, and cactus.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of
 Tp., described in Book "P",
 N.0°2'W. bet. secs. 33 and 34.
 Over level land, through scattering timber and under-
 growth.
 14.40 Road, brs. E. and W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap



No bearing trees available.
 Dig pits, 18 X 18 X 12 ins., one each N. and S. of post,
 3 ft. dist.
 73.30 Dim road, brs. NE. and SW.

28

Survey of the
Subdivision of T. 4 N., R. 12 W.

Chains. 80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked on brass cap</p> <div style="text-align: center;"> <table border="1"> <tr><td>T4N</td><td>R12W</td></tr> <tr><td>S28</td><td>S27</td></tr> <tr><td>S33</td><td>S34</td></tr> </table> <p>1923</p> </div> <p>No bearing trees available. Dig pits, 18 X 18 X 12 ins., one each., NE., SE., SW. and NW. of post, 3 ft. dist. Land, level. Soil, sandy, 2nd and 3rd rates. Timber, mesquite, and ironwood. Undergrowth, greasewood.</p>	T4N	R12W	S28	S27	S33	S34
T4N	R12W						
S28	S27						
S33	S34						
40.00 79.98	<p>N. 89° 59' E. on a random line, bet. secs. 27 and 34. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 2 lks. N. of the cor. of secs. 26, 27, 34 and 35. Thence West on a true line, bet. secs. 27 and 34. Over level land, through scattering timber and undergrowth, across Centennial Wash, course S.</p>						
20.00 29.20 39.99	<p>West edge of Centennial Wash, brs. N. and S. Leave said wash. Dim road, brs. NW. and SE. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <div style="text-align: center;"> <table border="1"> <tr><td>$\frac{1}{4}$</td><td>S27</td></tr> <tr><td>$\frac{1}{4}$</td><td>S34</td></tr> </table> <p>1923</p> </div> <p>No bearing trees available. Dig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.</p>	$\frac{1}{4}$	S27	$\frac{1}{4}$	S34		
$\frac{1}{4}$	S27						
$\frac{1}{4}$	S34						
69.00 78.20 79.98	<p>Road brs. NW. and SE. Dim road, brs. NE. and SW. The cor. of secs. 27, 28, 33 and 34. Land; level. Soil; sandy, 2nd and 3rd rates. Timber; mesquite, and ironwood. Undergrowth; greasewood, and cactus.</p>						
6.20 21.10 40.00	<p>N. 0° 2' W. bet. secs. 27 and 28. Over level land, through scattering timber and dense undergrowth. Wash, course SE. Wash, course SE Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap</p> <div style="text-align: center;"> <table border="1"> <tr><td>$\frac{1}{4}$</td><td>S28</td><td>S27</td></tr> </table> <p>1923</p> </div> <p>No bearing trees available. Dig pits, 18 X 18 X 12 ins., one each N. & S. of post, 3 ft. dist.</p>	$\frac{1}{4}$	S28	S27			
$\frac{1}{4}$	S28	S27					
45.65 52.00 66.30 80.00	<p>Wash, 10 lks. wide, course SE. Wash, 20 lks. wide, course SE. Wash, course S. 80° E. Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on brass cap</p>						

Survey of Subdivision lines of Township 4 North, Range 12 West. 29

Chains.

T4N	R12W
S21	S22
S28	S27

1923

No bearing trees available. Dig pits 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, mesquite and ironwood.
 Undergrowth, greasewood.

40.00 East, on a random line, bet. secs. 22 and 27.
 80.02 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 4 lks. S. of the cor. of secs. 22, 23, 26, and 27.
 Thence
 S. 89° 58' W., on a true line, bet. secs. 22 and 27.
 25.00 Over level land, thru. scattering timber and dense undergrowth, across Centennial Wash, course S.
 West edge of Centennial Wash, brs. N. and S. Leave said wash.
 40.01 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 22
	S 27

1923

No bearing trees available. Dig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.
 52.10 Dim road, brs. N. and S.
 54.60 Dim road, brs. NW. and SE.
 66.80 Road, brs. N. and S.
 80.02 The cor. of secs. 21, 22, 27 and 28.
 Land, level.
 Soil, sandy loam, 1st and 2nd rate.
 Timber, mesquite.
 Undergrowth, greasewood and mesquite.
 Good galleta grass.

18.00 N. 0° 2' W., bet. secs. 21 and 22.
 40.00 Over level land, thru. scattering timber and dense undergrowth.
 Draw, course SE.
 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,

S21	S22
-----	-----

1923

from which,
 A mesquite limb, 4 ins. in diam., brs. N. 36° E., 35 lks. dist., marked BT.
 No other bearing trees available. Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.
 48.70 Center of draw, 1.50 chs. wide, course SE.
 62.90 South edge of wash, brs. E. and W. Thence across wash, course E.
 70.00 North edge of wash, brs. E. and W. Leave wash.
 79.50 Dim road, brs. N. 20° E. and S. 20° W.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked on brass cap,

30 Survey of Subdivision lines of Township 4 North, Range 12 West.

Chains.	T4N R12W S16 S15 S21 S22 1923
	No bearing trees available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist. Land, level. Soil, sandy loam, 1st rate. Timber, mesquite and ironwood. Undergrowth, greasewood and mesquite.
40.00	N. 89° 58' E., on a random line, bet. secs. 15 and 22. Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 5 lks. N. of the cor. of secs. 14, 15, 22 and 23: Thence, West, on a true line, bet. secs. 15 and 22. Over level land, thru. scattering timber and undergrowth.
5.00	East edge of Centennial Wash, brs. NW and S. Thence across said wash, course SE.
40.01	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 15 S 22 1923
	from which, A mesquite, 5 ins. in diam., brs. N. 64° 40' W., 89 lks. dist., marked $\frac{1}{4}$ S 15 BT. A mesquite, 8 ins. in diam., brs. S. 5° 45' E., 307 lks. dist., marked $\frac{1}{4}$ S 22 BT.
65.00	Continue across Centennial Wash, course SE. West edge of Centennial Wash, brs. NW and SE. Leave said wash.
78.60	Road brs. NW and SE.
79.90	Dim road brs. N. 20° E. and S. 20° W.
80.02	The cor. of secs. 15, 16, 21 and 22. Land, level. Soil, sandy loam, 1st rate. Timber, mesquite, palo verde and ironwood. Undergrowth, greasewood and mesquite.
2.00	N. 0° 2' W., bet. secs. 15 and 16. Over level land, thru. scattering timber and undergrowth. Road, brs. N. 20° W. and S. 20° E.
12.00	West edge of Centennial Wash, brs. NW and SE. Thence across said wash, course SE., thru. dense 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, $\frac{1}{4}$ S 16 S 15 1923
	from which, A mesquite, 6 ins. in diam., brs. N. 66° E., 67 lks. dist., marked $\frac{1}{4}$ S 15 BT. A mesquite, 10 ins. in diam., brs. S. 37 $\frac{1}{2}$ ° W., 30 lks. dist., marked $\frac{1}{4}$ S 16 BT.
80.00	Continue across Centennial Wash, course SE., thru. scattering timber and dense undergrowth. Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on brass cap,

Survey of Subdivision lines of Township 4 North, Range 12 West. 31

Chains.

T4N R12W
S 9 S10
S16 S15
1923

from which,
A mesquite, 10 ins. in diam., brs. N. 46° E., 132
lks. dist., marked T4N R12 W S10 BT.
A mesquite, 12 ins. in diam., brs. S. 50 1/2° E., 89
lks. dist., marked T4N R12W S15 BT.
A mesquite, 10 ins. in diam., brs. S. 7° W., 368
lks. dist., marked T4N R12W S16 BT.
A mesquite, 6 ins. in diam., brs. N. 32° 40' W., 176
lks. dist., marked T4N R12W S9 BT.

Land, level.
Soil, sandy loam, 1st rate.
Timber, mesquite and ironwood.
Undergrowth, greasewood and mesquite.

40.00 East, on a random line, bet. secs. 10 and 15.
80.00 Set temp. 1/4 sec. cor.
Intersect N. and S. line, 4 lks. S. of the cor. of secs. 10,
11, 14 and 15.
Thence,
S. 89° 58' W., on a true line, bet. secs. 10 and 15.
Over level land, thru. scattering timber and dense under-
growth.
2.00 Wash, 10 lks. wide, course S. 10° W.
24.00 Wash, 20 lks. wide, course SW.
30.00 Wash, 50 lks. wide, course S.
33.00 Dim road, brs. N. 10° E. and S. 10° W.
37.50 Wash, 20 lks. wide, course S.
37.75 From this point, Smithsonian Institute House on top of
Harquahala Mountains, brs. N. 44° 30' E. diam., 26 ins. in
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,

1/4 S 10
S 15
1923

from which,
An ironwood, 6 ins. in diam., brs. S. 10° W., 27
lks. dist., marked 1/4 S 15 BT.
No other bearing tree available.
Dig pits, 18x18x12 ins., one each E. and W. of post, 3 ft.
dist.

54.50 Draw, course S.
58.30 Road, brs. N. 70° W. and S. 70° E. Extends northwesterly to
Salome and southeasterly to Buckeye.
70.00 East edge of Centennial Wash, brs. NW and SE. Thence
across said wash, course SE.
80.00 The cor. of secs. 9, 10, 15 and 16.
Land, level.
Soil, sandy loam, 1st rate.
Timber, mesquite and ironwood.
Undergrowth, greasewood and mesquite.

N. 0° 2' W., bet. secs. 9 and 10.
Over level land, thru. scattering timber and undergrowth,
across Centennial Wash, course SE.
12.00 East edge of Centennial Wash, brs. NW and SE. Leave said
wash.
16.00 Road brs. NW and SE. Extends northwesterly to Salome and
southeasterly to Buckeye.
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,

32 Survey of Subdivision lines of Township 4 North, Range 12 West.

Chains.

	$\frac{1}{4}$ S 9 S 10 1923
	No bearing trees available. Dig pits 18x18x12 ins., one each N. and S. of post, 3 ft. dist.
52.00	Wash, 15 lks. wide, course S. 20° W.
58.80	Dim road, brs. NE and SW.
74.50	Wash, 10 lks. wide, 7 ft. deep, course SW.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked on brass cap,
	T4N R12W S 4 S 3 S 9 S 10 1923
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, level.
	Soil, gravelly and rocky, 3rd rate.
	Timber, mesquite, palo verde and ironwood.
	Undergrowth, greasewood, ocotillo and cactus.

	N. 89° 58' E., on a random line, bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect the cor. of secs. 2, 3, 10 and 11. Thence,
	S. 89° 58' W., on a true line, bet. secs. 3 and 10.
	Over level land, thru. scattering timber and undergrowth.
20.20	Wash, 40 lks. wide, course SW.
26.70	Wash, 10 lks. wide, course S.
29.70	Dim road, brs. NW, and SE.
36.50	Dim road, brs. NE and S.
38.80	Wash, 20 lks. wide; course S.
40.01	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 3 S 10 1923
	No bearing trees available.
	Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
54.60	Wash, 20 lks. wide, course S. 10° E.
67.70	Wash, 5 lks. wide, course S. 10° W.
76.70	Wash, 5 lks. wide, course S. 10° W.
80.02	The cor. of secs. 3, 4, 9 and 10.
	Land, level.
	Soil, gravelly and rocky, 3rd rate.
	Timber, palo verde, mesquite and ironwood.
	Undergrowth, greasewood, ocotillo and cactus.

	N. 0° 2' W., on a true line, bet. secs. 3 and 4.
	Over level land, thru. scattering timber and undergrowth.
16.00	Wash, 10 lks. wide, course SW.
35.00	Wash, 20 lks. wide, course SW.
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,
	$\frac{1}{4}$ S 4 S 3 1923
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
55.40	Wash, 10 lks. wide, course SW.
75.20	Dim road, brs. NE and SW.

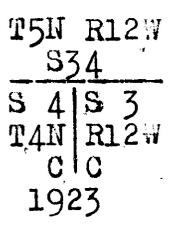
Survey of Subdivision lines of Township 4 North, Range 12 West. 33

Chains.

76.28

Intersect First Standard Parallel North, 11.10 chs. N. 89° 59' W. of the std. cor. of secs. 34 and 35, T. 5 N., R. 12 W., hereinbefore described.

At the point of intersection, 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 closing cor. of secs. 3 and 4, marked on brass cap,



No bearing trees available.
Land, level.
Soil, gravelly and rocky, 3rd rate.
Timber, mesquite, ironwood and palo verde.
Undergrowth, greasewood and cactus.

3.00

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., described in Book "F," N. 0° 2' W., bet. secs. 32 and 33. Over mountainous land, thru. scattering timber and undergrowth.

Ascend gradually over W. slope.

Main ridge of the Little Harquahala Mountains, brs. NW and SE.

13.90

Descend over NE. slope.
Dim road, brs. N. 80° E. and S. 80° W.
Ascend over S. slope.

28.80

Spur, slopes E.
Descend over N. slope.

33.50

Ravine, course NE near head.

40.00

Ascend over SE. slope, to
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,



No bearing trees available. Raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

48.00

Ascend over SE. slope.
Point of spur, slopes NE.
Descend over N. slope.

57.60

Ravine, course SE. from W.
Ascend over SE. slope.

68.00

Descend over NW. slope.

70.10

Wash, 10 lks. wide, course N. 45° E. Thence along E. slope.

77.30

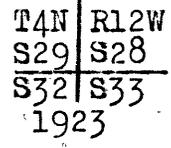
Wash, course SE.

79.80

Wash, 8 lks. wide, course N. 45° E. near head.

80.00

Ascend slightly over E. slope, to
Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on brass cap,



No bearing trees available. Raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

Land, mountainous.
Soil, sandy, 4th rate.

34 Survey of Subdivision lines of Township 4 North, Range 12 West.

Chains.

Timber, mesquite, palo verde and ironwood.
Undergrowth, greasewood, cactus and ocotillo.

- 40.00 N. 89°59'E., on a random line, bet. secs. 28 and 33.
Set temp, $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 27, 28, 33 and 34.
Thence,
N. 89°58'W., on a true line, bet. secs. 28 and 33.
Over level land, thru scattering timber and undergrowth.
- 39.60 Dim road, brs. NE. and SW. Thence over rolling land.
Ascend slightly over SE. slope, to
- 40.01 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 28
S 33
1923
- from which,
A mesquite, 6 ins. in diam., brs. N. 50 $\frac{1}{4}$ °E., 8 lks. dist., marked $\frac{1}{4}$ S 28 BT.
A mesquite, 6 ins. in diam., brs. S. 73°W., 102 lks. dist., marked $\frac{1}{4}$ S 33 BT.
- Continue over rolling land, ascending gradually over SE. slope.
- 50.40 Wash, 10 lks. wide, course SE.
60.30 Wash, 20 lks. wide, course SE.
72.10 Wash, 10 lks. wide, course SE.
79.80 Wash, 8 lks. wide, course NE. Asc. slightly over E. slope, to
80.02 The cor. of secs. 28, 29, 32 and 33.
Land, level and rolling.
Soil, sandy and rocky, 3rd rate.
Timber, mesquite, ironwood and palo verde.
Undergrowth, greasewood, ocotillo and cactus.

- N. 0°2'W., bet. secs. 28 and 29.
Over rolling land, thru scattering timber and undergrowth. Desc. slightly over E. slope.
- 0.20 Wash, course SE. Asc. 20 ft., over S. slope.
3.50 Point of spur, slopes SE. Desc. gradually over NE. & E. slopes to
- 23.50 Wash, 20 lks. wide, 8 ft. deep, course E.
Asc. gradually over E. slope.
- 31.80 Wash, 15 lks. wide, 8 ft. deep, course S. 60°E.
Ascend 45 ft., over SE. slope to $\frac{1}{4}$ sec. cor.
- 35.00 From this point, knoll brs. West, 10 chs. dist.
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 29 | S 28
1923

- No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Ascend 120 ft., over SE. slope.
- 49.06 Ridge, brs. NE. and SW.
Descend 103 ft., over N. slope.
- 55.10 Wash, 10 lks. wide, course NE. near head.
Ascend 25 ft. over SE. slope.
- 60.00 Spur, slopes NE. Desc. 54 ft., over NW. slope.
66.50 Wash, 40 lks. wide, course N. 70°E. Asc. 62 ft. over SE. slope.
76.00 Spur, slopes E. Desc. 25 ft., over N. slope.
79.00 Wash, 5 lks. wide, course E. Asc. slightly over SE. slope, to
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, marked on brass cap,

Survey of Subdivision lines of Township 4 North, Range 12 West. 35

Chains.

T4N	R12W
S20	S21
S29	S28
1923	

from which,
 An ironwood, 8 ins. in diam., brs. S. 6° E., 90 lks.
 dist., marked T4N R12W S28 BT.

No other bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, rolling.
 Soil, rocky, limestone and malpais formation, 4th rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood, ocotillo and cactus.

40.00 S. 89° 58' E., on a random line, bet. secs. 21 and 28.
 80.00 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 21,
 22, 27 and 28.

Thence,
 West, on a true line, bet. secs. 21 and 28.
 Over level land, thru. scattering timber and undergrowth.
 22.00 Dim 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., marked on brass cap,

$\frac{1}{4}$	S 21
	S 28
1923	

from which,
 An ironwood, 4 ins. in diam., brs. N. 31 $\frac{1}{2}$ ° W., 200
 lks. dist., marked BT.
 An ironwood, 8 ins. in diam., brs. S. 61° W., 233
 lks. dist., marked $\frac{1}{4}$ S 28 BT.

55.00 Leave level and enter rolling land.
 Ascend gradually over SE. slope.
 59.10 Dim road, brs. N. 60° E. and S. 60° W.
 80.00 The cor. of secs. 20, 21, 28 and 29.
 Land, level and rolling.
 Soil, gravelly, malpais formation, 3rd rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood, ocotillo and cactus.

15.00 N. 0° 2' W., bet. secs. 20 and 21.
 17.00 Over rolling land, thru. scattering timber and undergrowth.
 Ascend gradually over SE. slope.
 Ascend 15 ft., over S. slope.
 Spur, slopes E.
 Descend 65 ft., over N. and NE. slopes to $\frac{1}{4}$ sec. cor.
 35.45 Dim 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,

$\frac{1}{4}$	S20	S21
1923		

No bearing trees available.
 Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft.
 dist.
 Descend slightly to
 40.90 Center of wash, 1.50 chs. wide, 6 ft. deep, course N. 80° E.
 Ascend slightly over E. slope, to
 51.10 Wash, 15 lks. wide, 4 ft. deep, course S. 70° E. Thence over
 level land.
 71.90 Dim road, brs. E. and W.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
 the ground, for cor. of secs. 16, 17, 20 and 21, marked

36 Survey of Subdivision lines of Township 4 North, Range 12 West.

Chains,

on brass cap,

T4N	R12W
S17	S16
S20	S21
1923	

No bearing trees available.

Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, rolling and level.

Soil, gravelly, limestone formation, 2nd rate.

Timber, ironwood and mesquite.

Undergrowth, greasewood, mesquite and cactus.

East, on a random line, bet. secs. 16 and 21.40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 15, 16, 21 and 22.

Thence,

N. 89° 57' W., on a true line, bet. secs. 16 and 21.

Over level land, thru scattering timber and dense undergrowth.

39.98 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 16
	S 21
1923	

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

45.95 Wash, 20 lks. wide, course S.E.

71.45 Wash, 20 lks. wide, course S. 60° E.

79.96 The cor. of secs. 16, 17, 20 and 21.

Land, level.

Soil, sandy loam, 1st and 2nd rate.

Timber, ironwood and mesquite.

Undergrowth, greasewood and cactus.

N. 0° 2' W., bet. secs. 16 and 17.

Over level land, thru scattering timber and undergrowth.

2.00 Wash, 10 lks. wide, course S. 70° E.

2.50 Old road, brs. NE. and SW.

11.80 Wash, 10 lks. wide, course S. 80° E.

38.80 Wash, 15 lks. wide, course E.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S17	S16
1923	

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

57.40 Wash, 10 lks. wide, course E.

65.00 Center of wash, 5 chs. wide, course NE.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap,

T4N	R12W
S 8	S 9
S17	S16
1923	

from which,

An ironwood, 6 ins. in diam., brs. N. 36 $\frac{1}{2}$ ° W., 184 lks. dist., marked T4N R12W S8 BT.

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

Survey of Subdivision lines of Township 4 North, Range 12 West. 37

Chains.

Land, level. Soil, rocky, 2nd and 3rd rate.
Timber, ironwood and mesquite.
Undergrowth, greasewood and cactus.

40.00 S. 89° 57' E., on a random line, bet. secs. 9 and 16.
79.94 Set temp. 1/4 sec. cor.
Intersect N. and S. line, 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. scattering timber and dense under-
growth, across Centennial Wash, course SE.

34.95 West edge of Centennial Wash, brs. NW. & SE. Leave said wash.
39.97 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
1923

No bearing trees available. Dig pits 18x18x12 ins., one
each E. and W. of post, 3 ft. dist.

44.35 Road, brs. NW. and SE.
69.95 Center of wash, 5 chs. wide, course NE.
79.94 The cor. of secs. 8, 9, 16 and 17.

Land, level.
Soil, sandy, 2nd rate.
Timber, ironwood and mesquite.
Undergrowth, greasewood and mesquite.

7.50 N. 0° 2' W., bet. secs. 8 and 9.
15.00 Over level land, thru. scattering timber and undergrowth.
27.80 Dim road, brs. NE and SW.
39.60 Wash, 15 lks. wide; course SW.
40.00 Wash, 30 lks. wide, course SE.
Wash, 10 lks. wide, course N. 45° E.
Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in
the ground to bed rock, and raise a mound of stone
around post, for 1/4 sec. cor., marked on brass cap,

1/4
S 8 | S 9
1923

No bearing trees available. Raise a mound of stone, 3 ft.
base, 2 1/2 ft. high, W. of cor.

50.00 Road, brs. NW and SE.
53.00 West edge of Centennial Wash, brs. NW and SE. Thence
across said wash, course SE.
55.00 Wash, 1.50 chs. wide, course S. 50° E. Continue across Cen-
tennial Wash.

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

T4N | R12W
S 5 | S 4
S 8 | S 9
1923

No bearing trees available. Dig pits, 18x18x12 ins., one
each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, level.
Soil, sandy and gravelly, 2nd and 3rd rate.
Timber, mesquite, ironwood and palo verde.
Undergrowth, greasewood, ocotillo, catclaw and cactus.

38 Survey of Subdivision lines of Township 4 North, Range 12 West.

Chains.

40.00 East, on a random line, bet. secs. 4 and 9.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect the cor. of secs. 3, 4, 9 and 10.
 Thence,
 West, on a true line, bet. secs. 4 and 9.
 Over level land, thru. scattering timber and undergrowth.
 12.50 Wash, 10 lks. wide, course SW.
 18.90 Wash, 5 lks. wide, course SW.
 29.90 Wash, 20 lks. wide, course S.
 33.60 Dim road, brs. NE. and SW.
 39.96 Set an iron post 3 ft. long, 1 in. in diam., 24 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S 4
 $\frac{1}{4}$ S .9
 1923

No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 $\frac{1}{2}$ ft. high, N. of cor.
 57.00 Road brs. NW. and SE. Extends N. westerly to Salome and
 S. easterly to Buckeye.
 58.90 E. edge of Centennial wash, brs. NW and SE. Thence across
 said wash, which is formed by a series of washes.
 59.80 Wash, 35 lks. wide, course S.
 61.50 Wash, 15 lks. wide, course SE.
 71.20 Wash, 10 lks. wide, course SE.
 79.70 Wash, 20 lks. wide, course SE.
 79.92 The cor. of secs. 4, 5, 8 and 9.
 Land, level.
 Soil, gravelly and stony, 3rd rate.
 Timber, mesquite, ironwood and palo verde.
 Undergrowth, greasewood, ocotillo and cactus.

N. 0° 2' W., on a true line, bet. secs. 4 and 5.
 Over level land, thru. scattering timber and undergrowth,
 across Centennial Wash, which is formed by a series
 of washes.
 0.20 Wash, 20 lks. wide, course SE.
 24.00 Wash, 35 lks., course SE.
 35.00 East edge of Centennial Wash, brs. NW and SE. Leave said
 wash.
 37.40 Road, brs. NW. and SE., extends northwesterly to Salome
 and southeasterly to Buckeye.
 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 5 | S 4
 1923

No bearing trees available. Dig pits, 18x18x12 ins., one
 each N. and S. of post, 3 ft. dist.
 53.50 Dim road, brs. NE and SW.
 76.05 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
 the ground, for witness cor. to closing cor. of secs.
 4 and 5, marked on brass cap,

W C
 T5N R12W
 S33
 S 5 | S 4
 T4N | R12W
 C C
 1923

No bearing trees available. Raise mound of stone, 3 ft.
 base, 2 $\frac{1}{2}$ ft. high, S of cor.
 76.20 Intersect the First Standard Parallel North, 10.78 chs.
 N. 89° 57' W., of the true point for std. cor. of secs. 33
 and 34, T. 5 N., R. 12 W., witnessed at 0.85 chs. N. 89°
 57' W., as hereinbefore described. This point falls

Survey of Subdivision lines of Township 4 North, Range 12 West. 39

Chains.

in wash, course S., an unsafe point to monument this cor.

Land, level.

Soil, gravelly, 3rd rate.

Timber, mesquite, ironwood and palo verde.

Undergrowth, greasewood, catclaw, ocotillo and cactus.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., described in Book "F,"

N. $0^{\circ}3'$ W., bet. secs. 31 and 32.

Over mountainous land, thru. scattering timber and undergrowth.

Ascend 40 ft., over SE. slope.

5.00 Descend 10 ft., over NE. slope.

10.00 Head of draw, course E.

Ascend 30 ft., over S. slope.

13.00 Ridge, brs. NE and SW.

Descend 35 ft., over NW. slope.

17.20 Wash, course SW., near head, Asc. 120 ft., over S. slope.

26.20 Top of hill. Desc. 95 ft., over N. slope.

39.00 Wash, 30 lks. wide, course SW. Asc. slightly over SE. slope, to

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

$\frac{1}{4}$
S31 | S32

1923

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Asc. 146 ft. over SE. slope.

55.20 Spur, slopes SW. Desc. 81 ft., over NW. slope.

60.10 Wash, 15 lks. wide, course SW.

Ascend 10 ft., over SW. slope, to

67.00 Gulch, 50 lks. wide, 10 ft. deep, course S. 20° W. near head.

Ascend 80 ft., over S. slope.

70.50 Point of spur, slopes W. Desc. 35 ft., over NW. slope.

71.50 Gulch, course SW. Asc. 85 ft., over SE. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bed rock, and raise a mound of stone around post, for cor. of secs. 29, 30, 31 and 32, marked on brass cap,

T4N | R12W

S30 | S29.

S31 | S32

1923

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

Land, mountainous.

Soil, rocky, granite and malpais formations, 4th rate.

Timber, mesquite and palo verde.

Undergrowth, ocotillo, greasewood and cactus.

N. $89^{\circ}59'$ E., on a random line, bet. secs. 29 and 32.

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

80.04 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 28, 29, 32 and 33.

Thence

S. $89^{\circ}58'$ W., on a true line, bet. secs. 29 and 32.

Over rolling land, thru. scattering timber and undergrowth.

Ascend gradually over E. slope.

20.65 Thence over mountainous land. Asc. 110 ft., over SE. slope.

28.65 Spur, slopes N. 45° E. Desc. 12 ft. over NW. slope.

29.45 Asc. 80 ft., over NE. slope.

34.05 Descend 8 ft., over NW. slope.

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Chains.

- 34.45 Gulch, course NE. near head..
Ascend 50 ft., over SE. slope, to
- 40.02 Set an iron post, 3 ft. long, 1 in. in diam., on bed rock,
and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor.,
marked on brass cap,
 $\frac{1}{4}$ S 29
S 32
1923
- No bearing trees available. Raise a mound of stone, $2\frac{1}{2}$ ft.
base, 2 ft. high, N. of cor.
Ascend 40 ft., over NE. slope.
- 42.85 Main ridge of Little Harquahala Mountains, brs. N. 55° W. and
S. 45° E. Desc. 25 ft., over SW. slope.
- 45.95 Thence along S. slope, descending slightly to
- 52.75 Descend 10 ft., over SW. slope.
- 55.25 Gulch, course SE.
Ascend 270 ft., over SE. slope.
- 67.40 Ridge, brs. N. and S.
Descend 315 ft., over W. slope.
- 77.05 Gulch, course SW.
Ascend 15 ft., over SE. slope; to
- 80.04 The cor. of secs. 29, 30, 31 and 32.
Land, mountainous and rolling.
Soil, rocky, 4th rate.
Timber, palo verde and mesquite.
Undergrowth, greasewood, ocotillo and cactus.
-
- S. $89^\circ 59'$ W., on a random line, bet. secs. 30 and 31.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 78.46 Fall 5 lks. N. of the cor. of secs. 25, 30, 31 and 36, on W.
bdy. of Tp., hereinbefore described.
Thence,
N. $89^\circ 57'$ E., on a true line, bet. secs. 30 and 31.
Over mountainous land, thru. scattering timber and under-
growth.
- 4.05 Descend 130 ft., over SE. slope.
Prospect hole brs. North about 3.50 chs. dist.
- 13.95 Gulch, 50 lks. wide, 10 ft. deep, course S.
Ascend 210 ft., over W. slope.
- 23.45 Spur, slopes S.
Descend 175 ft., over E. slope.
- 35.45 Center of gulch, 1 ch. wide, 20 ft. deep, course S.
Ascend 70 ft., over W. slope, to
- 38.46 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 30
S 31
1923
- No bearing trees available. Raise a mound of stone, 3 ft.
base, 2 ft. high, N. of cor.
Ascend 150 ft., over W. slope.
- 45.35 Spur, slopes S.
Descend 160 ft., over SE. slope.
- 53.45 Gulch, course S.
Ascend 120 ft., over W. slope.
- 58.05 Spur, slopes S.
Descend 175 ft., over SE. slope.
- 72.70 Gulch, 50 lks. wide, 10 ft. deep, course SW.
Ascend 110 ft., over NW. slope.
- 76.95 Spur, slopes SW.
Descend 17 ft., over SE. slope, to
- 78.46 The cor. of secs. 29, 30, 31 and 32.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, palo verde.
Undergrowth, greasewood, mesquite, ocotillo, palo verde & cactus.
-
- N. $0^\circ 3'$ W. bet. secs. 29 and 30.

BOOK 3610

Survey of Subdivision lines of Township 4 North Range 12 West. 41

Chains.

- Over mountainous land, thru. scattering timber and undergrowth.
Ascend 20 ft., over SE. slope.
1.00 Spur, slopes SW. Desc. 50 ft., over NW. slope.
3.35 Head of gulch, course SW. Ascend 125 ft., over SW. slope.
15.75 Saddle in main ridge of the Little Harquahala mountains, brs. E. and W. Desc. gradually over NE. slope.
24.30 Ascend 10 ft., over SE. slope.
28.91 Spur, slopes NE. Desc. 75 ft., over N. slope, to
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,

$\frac{1}{4}$
S30 | S29
1923

from which,

- An ironwood, 8 ins. in diam., brs. S. 4° 20' E.,
108 lks. dist., marked $\frac{1}{4}$ S 29 BT.
An ironwood, 8 ins. in diam., brs. N. 25° W.,
256 lks. dist., marked $\frac{1}{4}$ S 30 BT.
Descend 46 ft., over N. slope.
61.80 Wash, 30 lks. wide, course NE.
Ascend 35 ft., over SE. slope.
67.50 Spur, slopes NE. Desc. 35 ft., over NW. slope.
70.90 Dir. road, brs. E. and W.
74.90 Wash, 10 lks. wide, course E. Asc. gradually over SE. slope, to
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 on brass cap,

T4N | R12W
S19 | S20
S30 | S29
1923

from which,

- An ironwood, 4 ins. in diam., brs. S. 40 $\frac{1}{2}$ ° W., 48
lks. dist., marked BT.
No other bearing trees available. Raise a mound of stone,
2 $\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
Land, mountainous.
Soil, rocky, 4th rate, volcanic formation.
Timber, ironwood and palo verde.
Undergrowth, greasewood, ocotillo and cactus.

- N. 89° 58' E., on a random line, bet. secs. 20 and 29.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.06 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 20,
21, 28 and 29.
Thence,
S. 89° 57' W., on a true line, bet. secs. 20 and 29.
Over mountainous land, thru. scattering timber and undergrowth.
Ascend 220 ft., over E. slope.
19.50 Spur, slopes SE. Top of hill, brs. North, 5 chs. dist.
Descend 215 ft., over SW. and W. slopes, to
40.03 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 20
S 29
1923

- No bearing trees available. Raise a mound of stone, 2 $\frac{1}{2}$ ft.
base, 2 ft. high, N. of cor.
Thence over rolling land.
Descend 27 ft., over W. slope, to
46.65 Wash, 20 lks. wide, course N. Asc. slightly over N. slope.
51.05 Wash, 25 lks. wide, course NE. Asc. gradually over NE. slope.
65.86 Wash, 30 lks. wide, course NE.

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Chains.

67.85 Ascend gradually over SE. slope, to sec. cor.
 Dim road, brs. NE. and SW.
 80.06 The cor. of secs. 19, 20, 29 and 30.
 Land, mountainous and rolling.
 Soil, rocky, limestone formation, 4th rate.
 Timber, ironwood and mesquite.
 Undergrowth, greasewood, ocotillo and cactus.

S. 89° 57' W., on a random line, bet. secs. 19 and 30.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.35 Intersect the cor. of secs. 19, 24, 25 and 30, on W. bdy. of
 Tp., hereinbefore described. Thence,
 N. 89° 57' E., on a true line, bet. secs. 19 and 30.
 Over rolling land, thru. scattering timber and dense
 undergrowth.
 Descend gradually over SE. slope.
 6.90 Dim road, brs. NW. and SE..
 10.40 Wash, 150 lks. wide, course S. Leave rolling and enter
 mountainous land.
 Ascend 135 ft., over W. slope.
 34.35 Main ridge of Little Harquahala Mountains, brs. N. and S.
 Descend 20 ft., along top of spur, sloping E.
 38.35 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in
 the ground to bed rock, and raise a mound of stone around
 post for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 19
 S 30
 1923

No bearing trees available.
 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Descend 130 ft., along top of spur, sloping E.
 74.25 Leave top of spur, sloping NE. from W.
 Descend 30 ft., over SE. slope, to
 78.35 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling and mountainous.
 Soil, rocky, limestone formation, 4th rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood, ocotillo, catclaw and cactus.

N. 0° 3' W., bet. secs. 19 and 20.
 Over rolling land, thru. scattering timber and undergrowth.
 Ascend 10 ft., over SE. slope.
 2.50 Spur, slopes NE. Desc. 12 ft. over N. slope.
 7.00 Head of draw, course NE. Asc. 30 ft., over SE. slope.
 12.50 Spur, slopes E. Desc. 30 ft., over N. slope.
 19.00 Wash, 5 lks. wide, course E. Asc. 40 ft., over S. slope.
 22.40 Spur, slopes E. Desc. 50 ft. over N. slope.
 26.65 Wash, 20 lks. wide, course N. 80° E. Asc. 27 ft., over SE. slope.
 32.50 Descend 10 ft., over NE. slope.
 36.60 Wash, course E. Thence over E. slope, ascending slightly to
 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,

$\frac{1}{4}$
 S19 | S20
 1923

from which,
 An ironwood, 10 ins. in diam., brs. N. 43° W., 98 lks.
 dist., marked $\frac{1}{4}$ S 19 BT.
 No other bearing trees available. Dig pits, 18x18x12 ins.,
 one each N. and S. of post, 3 ft. dist.
 Continue over rolling land, ascending slightly over E,
 slope.
 43.90 Wash, 30 lks. wide, course E.
 50.50 Wash, 70 lks. wide, 4 ft. deep, course SE.
 64.20 Old road, brs. NE. and SW.

ECON 3610

Survey of Subdivision lines of Township 4 North, Range 12 West. 43

Chains.

71.30 Wash, 10 lks. wide, course E. Leave rolling, and enter level land.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap,

T4N	R12W
S18	S17
S19	S20
1923	

No bearing trees available. Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, rolling and level.

Soil, rocky, limestone formation, 4th rate.

Timber, palo verde and ironwood.

Undergrowth, greasewood, ocotillo and cactus.

40.00 N. 89°57'E., on a random line, bet. secs. 17 and 20.
Set temp. ¼ sec. cor.

80.04 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 16, 17, 20 and 21.

Thence,

N. 89°57'W., on a true line, bet. secs. 17 and 20.

Over level land, thru. scattering timber and undergrowth.

1.75 Dim road, brs. NE. and SW.

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

¼	S 17
	S 20
1923	

No bearing trees available. Dig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.

40.45 Old road, brs. N. and S.

74.25 Dim road, brs. N. and S.

80.04 The cor. of secs. 17, 18, 19 and 20.

Land, level.

Soil, gravelly, 2nd rate.

Timber, palo verde, and ironwood.

Undergrowth, greasewood and cactus.

40.00 S. 89°57'W., on a random line, bet. secs. 18 and 19.
Set temp. ¼ sec. cor.

78.20 Intersect the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of Tp., hereinbefore described.

Thence,

N. 89°57'E., on a true line, bet. secs. 18 and 19.

Over rolling land, thru. scattering timber and undergrowth.

Descend 140 ft., over N. and NE. slopes to ¼ sec. cor.

38.20 Set an iron post, 3 ft. long, 1 in. in diam., 12 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 ¼ sec. cor., marked on brass cap,

¼	S 18
	S 19
1923	

No bearing trees available. Desc. 55 ft., over NE. slope, to

52.70 Wash, 30 lks. wide, course N. 70°E. Thence over nearly level land.

57.80 Same wash, course S. 70°E.

78.20 The cor. of secs. 17, 18, 19 and 20.

Land, rolling and nearly level.

44 Survey of Subdivision lines of Township 4 North, Range 12 West.

Chains.

Soil, limestone formation, 3rd and 4th rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood, sagebrush, ocotillo and cactus.

N.0°3'W., bet. secs. 17 and 18.
 Over nearly level land, thru scattering timber and undergrowth.

15.70 Wash, 5 lks. wide, course SE.
 37.50 Center of wash, 2 chs. wide, 10 ft. deep, course 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,

$\frac{1}{4}$
 S18 | S17
 1923

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

60.00 Leave nearly level, and enter mountainous land.
 Ascend 240 ft., over SE. slope.
 75.00 Spur, slopes E.
 Descend 10 ft., over NE. slope.
 77.00 Ascend 55 ft., over SE. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., over a cross (x) marked on surface rock, and raise a mound of stone around post, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,

T4N | R12W
 S 7 | S 8
 S18 | S17
 1923

No bearing trees available.
 Land, nearly level and mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood, sagebrush, ocotillo and cactus.

S.89°57'E., on a random line, bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 8, 9, 16 and 17.

Thence,
 N.89°58'W., on a true line, bet. secs. 8 and 17.
 Over level land, thru scattering timber and undergrowth.

5.00 Wash, 10 lks. wide, course SW.
 23.90 Dim road, brs. NE. and SW.
 40.02 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. 8
 S 17
 1923

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.

60.00 Leave level, and enter mountainous land.
 Ascend 245 ft., over SE. slope, to
 80.04 The cor. of secs. 7, 8, 17 and 18.
 Land, level and mountainous.
 Soil, sandy and rocky, 3rd and 4th rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood, ocotillo and cactus.

Survey of Subdivision lines of Township 4 North, Range 12 West. 45

Chains	
	S. 89°57'W., on a random line, bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.10	Fall 12 lks. S. of the cor. of secs. 7, 12, 13, and 18, on the W. bdy. of Tp., hereinbefore described.
	Thence,
	S. 89°58'E., on a true line, bet. secs. 7 and 18.
	Over mountainous land, thru. scattering timber and undergrowth.
	Ascend 365 ft., over NW. slope.
13.90	Ridge, brs. NE. and SW. Desc. 100 ft., over SE. slope.
20.10	Gulch, course SE. Asc. 20 ft., over SW. slope.
22.10	Point of spur, slopes S.
	Descend 106 ft., over SE. slope.
25.20	Gulch, course SW.
	Ascend 390 ft., over NW. slope.
37.40	Ridge, brs. NE. and SW. Desc. 25 ft., over SE. slope, to
37.85	Set an iron post, 3 ft. long, 1 in. diam., over a cross (x) marked on surface rock, and raise a mound of stone around post, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 7WC S 18 1923
	No bearing trees available.
38.10	The true point for $\frac{1}{4}$ sec. cor. falls on steep slope, where cor. cannot be monumented.
	Descend 525 ft., over SE. slope.
64.70	Gulch, course N. 45° E.
	Ascend 50 ft., over N. slope, to
70.10	Gulch, course NW., near head.
	Ascend 165 ft., over SW. slope, to
76.10	Top of cliff, 30 ft. high, brs. NW. and SE. facing SW.
	Ascend slightly to
76.30	Ridge, brs. NE. and SW. From this point, peak brs. North 0.50 chs. dist.
	Descend 40 ft., over SE. slope, to
78.10	The cor. of secs. 7, 8, 17 and 18.
	Land, mountainous.
	Soil, rocky, limestone formation, 4th rate.
	Timber, palo verde, ironwood and mesquite.
	Undergrowth, greasewood and cactus.

	N. 0°3'W., bet. secs. 7 and 8.
	Over mountainous land, thru. scattering timber and undergrowth.
	Ascend 25 ft., over SE. slope.
0.90	Ridge, brs. NE. and SW.
	Descend 245 ft., over NW. slope.
12.70	Gulch, 70 lks. wide, 20 ft. deep, course NE.
	Ascend 130 ft., over SE. slope.
38.70	NE. end of ridge, bearing NE. and SW.
	Descend 12 ft. over NE. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. indiam., over a cross (x) marked on surface rock, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 7 S 8 1923
	No bearing trees available.
	Descend 30 ft., over NE. slope.
43.70	Wash, 50 lks. wide, course S. 50° E. Ascend 205 ft., over SW. slope.
56.40	Spur, slopes SE. From this point, one rocky knoll brs. SE. 6 chs. dist., and another NW. about 5 chs. dist.
	Descend 65 ft., over NE. slope.
65.20	Gulch, course E.
	Ascend 350 ft., over S. slope.

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Chains.

75.00 Ledge of marble, brs. N. and S.
 78.41 Ridge, brs. E. and W. Desc. 35 ft. over N. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 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, 7 and 8, marked on brass cap,

$$\begin{array}{r|l} T4N & R12W \\ \hline S 6 & S 5 \\ S 7 & S 8 \end{array}$$

 1923.

No bearing trees available.
 Land, mountainous.
 Soil, rocky, malpais formation, 4th rate.
 Timber, ironwood and palo verde.
 Undergrowth, greasewood and cactus.

40.00 S. 89° 58' E., on a random line, bet. secs. 5 and 8.
 80.02 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 4, 5,
 8 and 9.

Thence,
 S. 89° 56' W., on a true line, bet. secs. 5 and 8.
 Over level land, thru. scattering timber and dense under-
 growth, across Centennial Wash, course S., formed by a
 series of washes:

9.50 Wash, 1 ch. wide, course S.
 14.80 Wash, 1.25 chs. wide, course S.
 16.05 West edge of Centennial Wash, brs. N. and S. Leave level, and
 enter rolling land.
 Ascend 90 ft., over SE. slope, to $\frac{1}{4}$ sec. cor.
 17.50 Road, brs. N. and S.
 40.01 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,

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

 1923

No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, N. of cor.
 Leave rolling and enter mountainous land. Asc. 250 ft.,
 over SE. slope.

49.65 Spur, slopes NE. Desc. 170 ft., over NW. slope.
 60.00 Gulch, 10 lks. wide, course NE. Asc. 365 ft. over E. slope.
 76.50 Spur, slopes NE. Asc. 20 ft., over N. slope, to
 80.02 The cor. of secs. 5, 6, 7 and 8.

Land, level, rolling and mountainous.
 Soil, gravelly, 3rd rate, and rocky, 4th rate; limestone,
 quartz and volcanic formations.
 Timber, palo verde, ironwood and mesquite.
 Undergrowth, greasewood, ocotillo and cactus.

40.00 N. 89° 58' W., on a random line, bet. secs. 6 and 7.
 77.91 Set temp. $\frac{1}{4}$ sec. cor.
 Fall 7 lks. S. of the cor. of secs. 1, 6, 7 and 12, on the W.
 bdy. of Tp., hereinbefore described.

Thence,
 S. 89° 55' E., on a true line, bet. secs. 6 and 7.
 Over mountainous land, thru. scattering timber and under-
 growth. Asc. 20 ft., over S. slope.

13.35 Wash, 15 lks. wide, course SW. Asc. 55 ft., over NW. slope.
 26.10 Descend 20 ft., over NE. slope.
 29.90 Same wash, 10 lks. wide, course NW. near head.
 Ascend 65 ft., over W. slope.

35.90 Ridge, brs. N. and S. Desc. 45 ft., over E. slope, to
 37.91 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,

$$\begin{array}{r} S 6 \\ S 7 \end{array}$$

 1923

Survey of Subdivision lines of Township 4 North Range 12 West. 47

Chains.

No bearing trees available. Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
 Descend 80 ft., over E. slope.
 40.30 Gulch, course NE. near head. Ascend 140 ft., over W. slope.
 53.40 Spur, slopes N. Desc. 20 ft., over NE. slope.
 54.40 Gulch, course N., near head.
 Ascend 350 ft., over NW. slope.
 71.90 Ridge, brs. NE. and SW.
 Descend 190 ft., over SE. slope, to
 77.91 The cor. of secs. 5, 6, 7 and 8.
 Land, mountainous.
 Soil, rocky, 4th rate, malpais formation.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood, ocotillo and cactus.

N. 0° 3' W., on a true line, bet. secs. 5 and 6.
 Over mountainous land, thru. scattering timber and undergrowth.
 Ascend 41 ft., over SE. slope.
 7.80 Ridge, brs. NE. and SW. Desc. 365 ft., over NW. slope, to
 17.00 Thence along W. slope, descending gradually to
 29.00 Descend 130 ft., over NW. slope.
 35.00 Foot of descent, brs. NE. and SW.; thence over level land.
 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,

¼
 S 6 | S 5
 1923

No bearing trees available. Raise a mound of stone, 5 ft. base, 3 ft. high, W. of cor.
 Continue over level land.
 42.90 Wash, 10 lks. wide, course NE.
 52.30 Wash, 10 lks. wide, course NE.
 69.00 Wash, 20 lks. wide, course N. 70° E. Leave level, and enter hilly land. Asc. 57 ft., over S. slope.
 74.30 Top of hill. Desc. 25 ft., over N. slope, to
 76.25 Intersect the First Standard Parallel North, 10.72 chs. N. 89° 52' W. of the std. cor. of secs. 32 and 33, T. 5 N., R. 12 W., hereinbefore described.
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for closing cor. of secs. 5 and 6, marked on brass cap,

T5N R12W
 S32
 S 6 | S 5
 T4N R12W
 C C
 1923

No bearing trees available. Raise a mound of stone, 3 ft. base, 2½ ft. high, S. of cor.
 Land, mountainous, level and hilly.
 Soil, gravelly and rocky, malpais formation, 4th rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood.

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

GENERAL DESCRIPTION.

Except for the western two ranges, this township is level, sandy and gravelly loam land, of 1st, 2nd and 3rd rate texture, covered with mesquite, palo verde and ironwood timber, and greasewood, ocotillo and cactus undergrowth. The main drainage is thru Centennial Wash, which consists of several sandy channels, and a wide overflow area, supporting a dense undergrowth. Parts of sections 17, 18, and 20 are level and rolling land, but the remainder of the western two ranges of sections is mountainous land, the Little Harquahala Mountains lying in the southern part, of rocky, 3rd and 4th rate soil, covered with palo verde brush and cactus undergrowth.

There are no settlers in the township.

No indications of mineral were observed, except in the Little Harquahala Mountains, in the southwestern part of the township.

The Buckeye-Salome highway crosses the township in a northwesterly-southeasterly direction.

CERTIFICATE OF UNITED STATES TRANSITMAN

I, Ty White, U. S. Transitman hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 115, Arizona bearing date of the 20th day of May, 1921, 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 of portions of the First Standard Parallel North through Ranges 11 and 12 West, resurveyed all those parts or portions of the First Standard Parallel North through Range 12 West, and surveyed all those parts or portions of the North boundary and Subdivision lines of TOWNSHIP 4 NORTH, RANGE 12 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as and by diagram on page 1 hereof having been executed by me, and under my direction; and that all the corners of resurvey and 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 115, 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.

Place Long Beach Calif.
 Date April 17 1924

Ty White
 U. S. Transitman

~~APPROVAL:~~

~~OFFICE OF THE UNITED STATES SURVEYOR GENERAL,~~

~~101~~

~~The foregoing field notes of the~~

~~executed by~~
~~under his special instructions dated~~, ~~101~~, ~~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~~

BOOK 3610

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 115, Arizona bearing date of the 20th day of May, 1921, 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 First Standard Parallel North through Range 12 West, and surveyed all those parts or portions of the West Boundary and Subdivision Lines of

TOWNSHIP 4 NORTH, RANGE 12 WEST

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in and by diagram on page 1 hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 115, 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 Ajo Arizona
Date April 1st 1924

William H Thorn
U. S. Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, April 22, 1924.

The foregoing field notes of the retracement of Part of the First Standard Parallel North through Rs. 11 and 12 W., the resurvey of Part of the First Standard Parallel North through R. 12 W., and the survey of the North boundary, West boundary and Subdivision lines of

TOWNSHIP 4 NORTH, RANGE 12 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 Ty White, U. S. Transitman under special instructions dated May 20, 1921 for Group 115 Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Charles M. Donohoe
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.