

BOOK 3607

FIELD NOTES

OF THE RETRACEMENT OF

Part of the South bdy. of Township 4 North, Range 3 West, and

Part of the South bdy. of Township 3 North, Range 2 West,

AND OF THE RESURVEY OF

Part of the South Boundary and

Part of the Subdivision Lines

AND OF THE SURVEY OF

West Boundary and

Part (Completion) of the Subdivision Lines of

Township 3 North, Range 2 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 & Survey commenced December 2, 1922

Retracement

Resurvey & Survey completed December 11, 1922

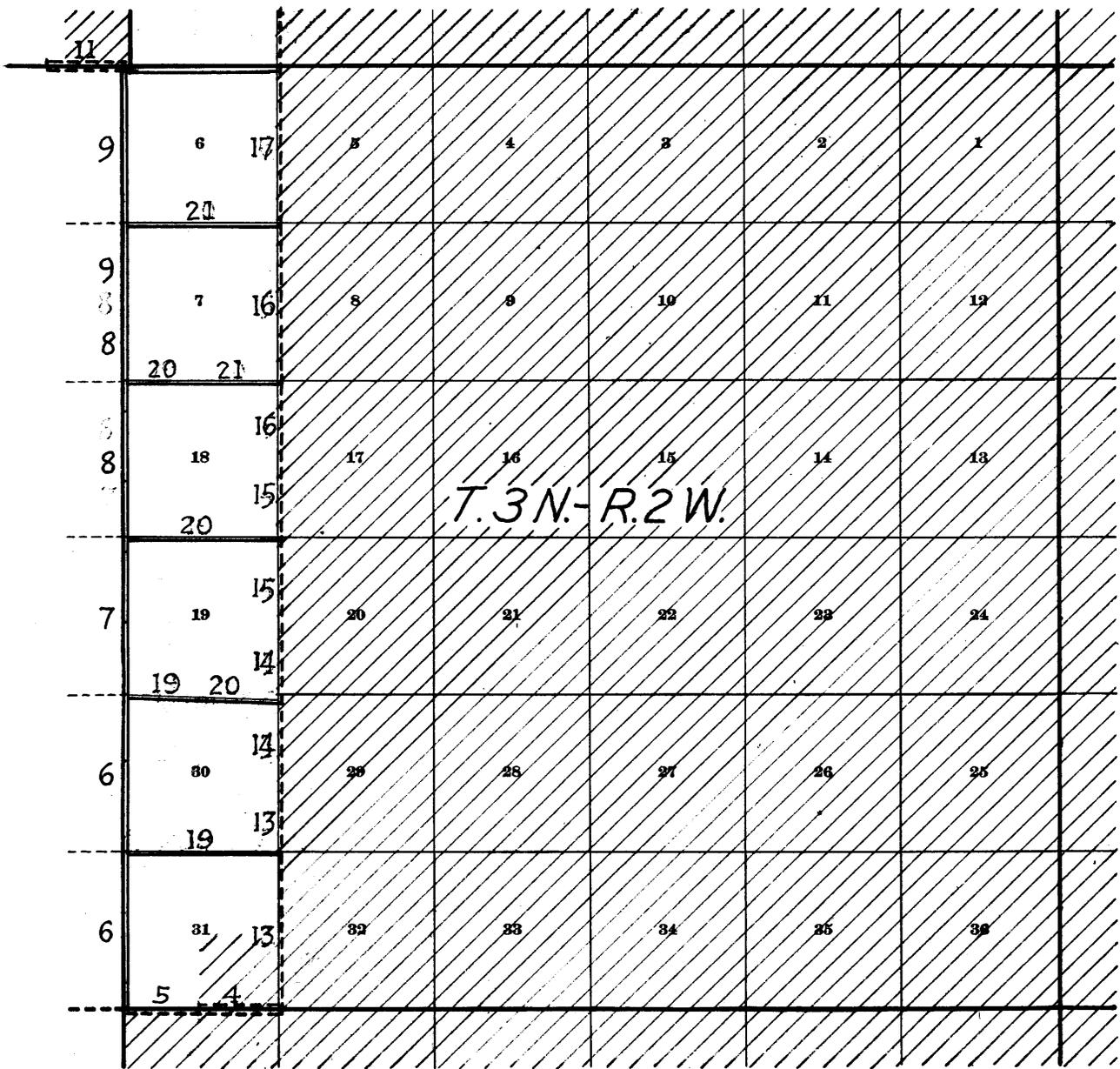
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BOOK 3607

INDEX DIAGRAM.



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

DATE DIAGRAM

Book "D"

Group 115, Arizona.

Township 3 North, Range 2 West.

12-11-22 For dates of survey of this mile see Book "C"

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

----- Indicates retracements and
~~Red lines~~ indicate surveys executed by William H. Thorn,
 U.S. Cadastral Engineer on dates shown thereon.

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

 indicates surveys,
~~Broken blue lines~~ indicate resurveys, and ~~dash-dot-dot lines~~
 indicate retracements executed by Ty White, U.S. Transitman
 on dates shown thereon.

~~Blue 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 & Sons light mountain transits Nos. 8592 and 8540, each 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 W.H. Thorn, U.S. Cadastral Engineer.

November 28, 1922: 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 camp in sec. 33, T. 4 N., R. 3 W., G. and S. R. B. and M., Arizona, lat. $33^{\circ}38\frac{1}{2}'$ N., long. $112^{\circ}34\frac{1}{2}'$ W., using the meridian established as described in Book "C", at 9 hrs. 0 m., a.m., l.m.t., I set off $33^{\circ}38\frac{1}{2}'$ N. on the lat. arc; $21^{\circ}13\frac{1}{2}'$ 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 $21^{\circ}15\frac{1}{2}'$ S., which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arc unchanged, I set off $21^{\circ}16'$ 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 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.

December 3, 1922. 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 camp in sec. 33, T. 4 N., R. 3 W., G. and S. R. B. and M., Arizona, lat. $33^{\circ}38\frac{1}{2}'$ N., long. $112^{\circ}34\frac{1}{2}'$ W., using the meridian established as described in Book "C", at 9 hrs. 0 m., a.m., l.m.t., I set off $33^{\circ}38\frac{1}{2}'$ N. on the lat. arc; $22^{\circ}11\frac{1}{2}'$ 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 $22^{\circ}3\frac{1}{2}'$ 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 $22^{\circ}4'$ 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 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.

4. Retracement of part of South bdy. of Township 3 North, Range 2 West.
Chains.

The South boundary of Township 3 North, Range 2 West was originally surveyed in February 1883 by R.C. Powers, U.S. D.S. In September, 1894, Albert T. Colton, U.S. D.S. re-surveyed this boundary. No subsequent retracement or resurvey is of record.

The cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp. is a granite stone, 8x12x20 ins. above ground, marked with 1 notch on W. and 5 notches on E. edges, witnessed by a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

No bearing trees.

Thence,

S. 89° 47' W., on retracement, bet. secs. 6 and 31 (E. $\frac{1}{2}$).

Over rolling land, thru. scattering timber and undergrowth.

10.30 Old trail, brs. NW. and SE.

18.00 Road, brs. NW. and SE.

19.00 Wash, 7 lks. wide, course S. 45° E.

40.10 Fall 1 lk. N. of the $\frac{1}{4}$ sec. cor. of secs. 6 and 31, which is a granite stone, 12x10x8 ins. above ground, firmly set, marked $\frac{1}{4}$ on N. face, witnessed by a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.

The true course and distance of this half mile are therefore N. 89° 46' E., 40.10 chs.

Land, rolling.

Soil, gravelly, 3rd rate.

Timber, ironwood and palo verde.

Undergrowth, greasewood and cactus.

Resurvey of part of the South bdy. of Township 3 North, Range 2 West.

Chains.

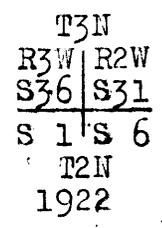
Retracement for Resurvey.

40.10 From the $\frac{1}{4}$ sec. cor. of secs. 6 and 31, on the S. bdy. of Tp., hereinbefore described, S. $89^{\circ}47'W.$, on retracement, bet. secs. 6 and 31 (W. $\frac{1}{2}$). Fall 9 lks. N. of the cor. of Ts. 2 and 3 N., Rs. 2 and 3 W., hereinafter described. The true course and distance of this half mile are therefore N. $89^{\circ}39'E.$, 40.10 chs.

Resurvey.

The cor. of Ts. 2 and 3 N., Rs. 2 and 3 W. is a granite stone 24x13x12 ins. above ground, firmly set, marked with 6 notches on each of N., S., E. and W. edges, and witnessed by a mound of stone S. of cor. No bearing trees.

Reconstruct this cor. as follows: Alongside of old stone, Set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in the ground, for cor. of Ts. 2 and 3 N., Rs. 2 and 3 W., marked on brass cap,



No bearing trees within limits. Thence, N. $89^{\circ}39'E.$, on a true line, bet. secs. 6 and 31 (W. $\frac{1}{2}$). Over rolling land, thru. scattering timber and undergrowth.

13.50 Road, brs. NW. and SE.
 40.10 Intersect the $\frac{1}{4}$ sec. cor. of secs. 6 and 31, hereinbefore described. Land, rolling. Soil, gravelly, 3rd rate. Timber, palo verde and ironwood. Undergrowth, greasewood and cactus.



Survey of West boundary of Township 3 North, Range 2 West. 7

Chains.

- 56.70 Descend 435 ft., over N. slope. Gulch, course E.
- 75.64 Ascend 455 ft., over S. slope. Spur, slopes E.
- 80.00 Descend 185 ft., over N. slope. Set an iron post, 3 ft. long, 2 ins. in diam., on bed rock, deposit a marked cross (x) stone at base of post, and raise a mound of stone around post for cor. of secs. 19, 24, 25 and 30, marked on brass cap,

T3N
R3W | R2W
S24 | S19

S25 | S30
1922

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

- 27.03 North, bet. secs. 19 and 24. Over mountainous land, thru. scattering timber and dense undergrowth. Descend 635 ft., over N. slope. Wash, 80 lks. wide, course E.
- 29.70 Ascend 100 ft., over S. slope. Trail, brs. E. and W.
- 36.76 Spur, slopes SE.
- 40.00 Descend gradually over NE. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock alongside a boulder 2 1/2 x 2 x 1 ft., and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,

1/4
S24 | S19

1922

- 46.00 Mark a cross (x) on top of boulder alongside the post. Descend over NE. slope. Gulch, course SE.
- 52.60 Ascend 180 ft., over S. slope. Ridge, brs. E. and W.
- 64.50 Descend 200 ft., over N. slope. Wash, 50 lks. wide, course E.
- 72.00 Ascend 20 ft. From this point, end of spur, brs. W. 2 chs. Descend 15 ft.
- 77.90 Wash, 1 ch. wide, course SE. Ascend 15 ft.
- 78.60 From this point, Indian hieroglyphic rocks bear west 1.00 ch. dist.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, deposit a marked (x) stone at base of post, and raise a mound of stone around post for cor. of secs. 13, 18, 19 and 24, marked on brass cap,

T3N
R3W | R2W
S13 | S18

S24 | S19
1922

from which,
An ironwood, 8 ins. in diam., brs. N. 5° 10' E., 250 lks. dist., marked T3N R2W S18 BT.

8 Survey of West bdy. of Township 3 North, Range 2 West.

Chains.

No other bearing trees available.
 Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate, granite and malpais formation.
 Timber, palo verde and ironwood.
 Undergrowth, scrub oak, ocotillo and cactus.

North, bet. secs. 13 and 18.
 Over rolling land, thru. scattering timber and dense under-
 growth.

2.32 Giant cactus, 10 ft. high, on line.
 14.20 From this point, boulder 10x10x10 ft., with Indian hieroglyphic marks, brs. West about 1 ch. dist.
 A boulder, similarly marked, 8x10x8 ft., brs. NE.
 19.60 From this point, peak brs. West about 8 chs. dist.
 38.40 Right bank of wash, 38 ft. deep, brs. E. and W.
 40.00 The true point for $\frac{1}{4}$ sec. cor. falls in wash, course E.
 40.40 Left bank of wash, brs. E. and W.
 40.50 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
 S13 | S18
 W | C
 1922

No bearing trees within limits.
 Raise a mound of stone, 2 ft. base. $1\frac{1}{2}$ ft. high, W. of cor.
 53.40 Old road, brs. E. and W.
 61.00 Leave rolling, and enter mountainous land.
 Ascend 105 ft., over S. slope.
 65.60 Spur, slopes E.
 Descend 130 ft., over N. slope.
 74.40 Wash, 20 lks. wide, course E.
 Ascend.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked on brass cap,

T3N
 R3W | R2W
 S12 | S. 7
 S13 | S18
 1922

from which,

An ironwood, 8 ins. in diam., brs. N. $46\frac{3}{4}^{\circ}$ E., 121 lks. dist., marked T3N R2W S7 BT.
 A palo verde, 10 ins. in diam., brs. S. $7\frac{1}{2}^{\circ}$ E., 132 lks. dist., marked T3N R2W S18 BT.
 A palo verde, 8 ins. in diam., brs. S. $89\frac{3}{4}^{\circ}$ W., 105 lks. dist., marked T3N R3W S13 BT.
 An ironwood, 10 ins. in diam., brs. N. 2° W., 33 lks. dist., marked T3N R3W S12 BT.

Land, rolling and mountainous.
 Soil, rocky, 4th rate, malpais formation.
 Timber, palo verde and ironwood.
 Undergrowth, ocotillo, catclaw and cactus.

North, bet. secs. 7 and 12.
 Over mountainous land, thru. scattering timber and dense undergrowth.

Ascend 80 ft.
 8.30 Low hill, brs. E. and W.
 Descend 75 ft., over N. slope.
 13.20 Wash, course E. Thence over rolling land.
 16.80 Old road, brs. E. and W.

LOCK 8607

Survey of West boundary of Township 3 North, Range 2 West. 9

Chains.

- 22.50 Right bank of wash, brs.E.and W.
- 24.90 Center of wash, course S.70°E.
- 27.40 Left bank of wash, brs.E.and W.
Ascend 30 ft.
- 29.40 Ridge, brs.E. and W.
Descend 15 ft.
- 31.30 Wash, 100 lks.wide, course E.
- 34.00 Old road, brs.E.and W.
- 39.80 Wash, 10 lks.wide, 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,

$\frac{1}{4}$
S12 | S 7
1922

from which,

A palo verde, 10 ins. in diam., brs. S.24° E.,
85 lks. dist., marked $\frac{1}{4}$ S 7 BT.

A palo verde, 12 ins. in diam., brs.N.7°W.,
66 lks. dist., marked $\frac{1}{4}$ S 12 BT.

- 45.00 Ravine, 1 ch. wide, 20 ft. deep, course E.
- 49.50 Ravine, 70 lks.wide, 10 ft. deep, course E.
- 58.40 Wash, 50 lks.wide, 18 ft. deep, course E.
- 62.30 Ascend over SE.slope, 170 ft.
- 75.30 Spur, slopes E.
Descend 60 ft., over NE.slope.
- 78.40 Wash, 20 lks.wide, course SE.
Ascend 60 ft., over SE.slope, to
- 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., on surface
rock, on E. side of boulder, and raise a mound of
stone around post, for cor.of secs.1,6,7 and 12, marked
on brass cap,

T3N
R3W | R2W
S 1 | S 6
S12 | S 7
1922

No bearing trees available.
Mark XBO on boulder W.of post.
Land, rolling and mountainous.
Soil, rocky, 4th rate, malpais and granite formation.
Timber, palo verde and ironwood.
Undergrowth, ocotillo, catclaw and cactus.

- North, bet. secs.1 and 6.
Over mountainous land, thru. scattering timber and dense
undergrowth.
- Ascend 385 ft., over S.slope.
- 17.20 Ridge, brs.E.and W.
Descend 115 ft., over N.slope.
- 23.30 Ravine, 100 lks.wide, 50 ft.deep, course E.
Ascend 315 ft., over S.slope.
- 40.00 Spur, slopes E. 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 6
1922

BOOK 3607

10 Survey of West boundary of Township 3 North, Range 2 West.

Chains.

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.cor.
 Descend 25 ft.
 45.00 Ascend 90 ft.
 52.30 Spur, slopes N.70°E.
 Descend 445 ft., over N.slope.
 72.30 Ravine, course N.70°E.
 Ascend 65 ft., over S.slope, to
 82.24 Intersect the S. bdy., of T.4 N., R.3 W. at a point 3.16
 chs. S.89°48'W. from the cor. of Ts.3 and 4 N., Rs.2
 and 3 W., hereinafter described.
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in
 the ground to bed rock, deposit a marked (x) stone
 at base of post, and raise mound of stone around post
 for closing cor. of Ts. 3 N., Rs.2 and 3 W., marked
 on brass cap,

T4N R3W

S36

S 1 | S 6

R3W | S2W

T3N

C C

1922

No bearing trees available.
 The position of this closing cor. is determined by re-
 tracement of the E. $\frac{1}{2}$ of S. bdy. of sec. 36, T.4 N., R.3 W.,
 as hereinafter described.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood, ocotillo, and cactus.

BOOK 3607

Retracement of part of S. bdy. of Township 4 North, Range 3 West. 11

Chains.

This township boundary was surveyed in 1915 by Hans D. Voight U.S. Transitman, and no retracement or resurvey of any part of the line is of record.

The original $\frac{1}{4}$ sec. cor. of secs. 1 and 36, on S. bdy. of T. 4 N., R. 3 W. is an iron post, 1 in. in diam., projecting 36 ins. above ground, firmly set in a mound of stone, properly marked on brass cap, and witnessed by a mound of stone, N. of cor.

No bearing trees.

Thence, N. 89° 53' E. (record course) on random line, on S. bdy. of sec. 36 (E. $\frac{1}{2}$).

Topography agrees substantially with record.

36.84
40.00

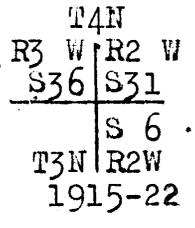
Intersect W. bdy. of Tp. 3 N., R. 2 W.

Fall 6 lks. S. of the cor. of Ts. 3 and 4 N., Rs. 2 and 3 W. which is an iron post, 3 ins. in diam., projecting 20 ins. above ground, firmly set in ground and mound of stone, properly marked on brass cap for reference to a corner of four townships, and witnessed by a mound of stone, S. of cor.

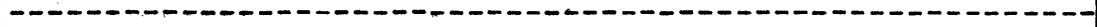
No bearing trees.

True course and dist. of the E. $\frac{1}{2}$ of S. bdy. of sec. 36, T. 4 N., R. 3 W. are therefore, N. 89° 48' E., 40.00 chs.

As the W. bdy. of T. 3 N., R. 2 W. intersects this Tp. bdy. at 3.16 chs. S. 89° 48' W. from the above described Tp. cor. it becomes necessary to change said cor. to refer to Ts. 4 N., Rs. 2 and 3 W. only; therefore, change the marking on the brass cap to read:



Destroy old mound of stone, S. of cor., and raise a new mound of stone 6 ft. base, 3 ft. high, N. of cor.



BOOK 3607

12 Resurvey of part of Subdivision lines of T.3 N., R.2 W.

Chains.

In October, 1894, Albert T. Colton, U.S.D.S., subdivided T.3 N., R.2 W., with the exception of the West range of sections. No subsequent retracement or resurvey of these lines is of record.

Retracement for Resurvey:

- From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of Tp., hereinbefore described,
N. 0° 3' W., on retracement, bet. secs. 31 and 32 (S. $\frac{1}{2}$).
39.95 Fall 7 lks. E. of the $\frac{1}{4}$ sec. cor. of secs. 31 and 32, hereinafter described.
The true course and distance of this half mile are therefore N. 0° 9' W., 39.95 chs.
- Thence,
N. 0° 3' W., on retracement, bet. secs. 31 and 32 (N. $\frac{1}{2}$).
39.94 Fall 9 lks. W. of the cor. of secs. 29, 30, 31 and 32, hereinafter described.
The true course and distance of this half mile are therefore N. 0° 5' E., 39.94 chs.
- From the cor. of secs. 29, 30, 31 and 32,
Thence,
N. 0° 3' W. on retracement, bet. secs. 29 and 30 (S. $\frac{1}{2}$).
39.94 Fall 2 lks. W. of the $\frac{1}{4}$ sec. cor. of secs. 29 and 30, hereinafter described,
The true course and dist. of this half mile are therefore N. 0° 1' W., 39.94 chs.
- N. 0° 3' W., on retracement on W. bdy. of sec. 29 (N. $\frac{1}{2}$).
40.87 Fall 1.60 chs. W. of the cor. of secs. 19, 20, 29 and 30, hereinafter described.
The true course and dist. of this half mile are therefore N. 2° 12' E., 40.90 chs.
- N. 0° 3' W., on retracement on W. bdy. of sec. 20 (S. $\frac{1}{2}$).
39.57 Fall 68 lks. E. of the $\frac{1}{4}$ sec. cor. of secs. 19 and 20, hereinafter described.
The true course and dist. of this half mile are therefore N. 1° 2' W., 39.58 chs.
- Thence,
N. 0° 3' W., on retracement on W. bdy. of sec. 20 (N. $\frac{1}{2}$).
39.75 Fall 9 lks. E. of the true point for cor. of secs. 17, 18, 19 and 20, determined by measuring 1.00 ch. S. 0° 19' E. (the bearing of the S. $\frac{1}{2}$ of W. bdy. of sec. 17) from the witness cor. to cor. of secs. 17, 18, 19 and 20, hereinafter described.
The true course and dist. of this half mile are therefore N. 0° 11' W., 39.75 chs.
- From the true point for cor. of secs. 17, 18, 19 and 20,
N. 0° 3' W., on retracement on W. bdy. of sec. 17 (S. $\frac{1}{2}$).
39.52 Fall 19 lks. E. of the $\frac{1}{4}$ sec. cor. of secs. 17 and 18, hereinafter described.
The true course and dist. of this half mile are therefore N. 0° 19' W., 39.52 chs.
- Thence,
N. 0° 3' W., on retracement, on W. bdy. of sec. 17 (N. $\frac{1}{2}$).
40.36 Fall 15 lks. W. of the cor. of secs. 7, 8, 17 and 18, hereinafter described.
The true course and dist. of this half mile are therefore N. 0° 10' E., 40.36 chs.
- N. 0° 3' W., on retracement, on W. bdy. of sec. 8 (S. $\frac{1}{2}$).
39.65 Fall 31 lks. E. of the $\frac{1}{4}$ sec. cor. of secs. 7 and 8, hereinafter described.
The true course and dist. of this half mile are therefore N. 0° 30' W., 39.65 chs.
- Thence,
N. 0° 3' W., on retracement, on W. bdy. of sec. 8 (N. $\frac{1}{2}$).
40.15 Fall 21 lks. W. of the cor. of secs. 5, 6, 7 and 8, hereinafter described.
The true course and dist. of this half mile are therefore N. 0° 15' E., 40.15 chs.
- From the cor. of secs. 5, 6, 7 & 8, N. 0° 2' E. on retracement on

Resurvey of part of Subdivision lines T. 3 N., R. 2 W.

Chains.

39.68 From W. bdy. of sec. 5 (S. $\frac{1}{2}$).
 Fall 12 lks. E. of the $\frac{1}{4}$ sec. cor. of secs. 5 and 6, herein-
 after described.
 The true course and distance of this half mile are there-
 fore S. 0° 8' E., 39.68 chs.

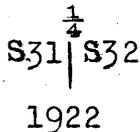
41.95 From the $\frac{1}{4}$ sec. cor.,
 N. 0° 2' E., on retracement, on W. bdy. of sec. 5. (N. $\frac{1}{2}$).
 Fall 96 lks. W. of the cor. of secs. 5, 6, 31 and 32, on
 the N. bdy. of Tp., described in Book "C."
 The true course and distance of this half mile are there-
 fore S. 1° 19' W., 41.96 chs.

Resurvey.

8.05 From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the
 Tp., hereinbefore described,
 N. 0° 9' W., on a true line, bet. secs. 31 and 32.
 16.85 Over rolling land, thru. scattering timber and undergrowth.
 Center of wash, 1 ch. wide, 12 ft. deep, course S. 45° E.

39.95 Old road, brs. NW. and SE.
 The original $\frac{1}{4}$ sec. cor. of secs. 31 and 32, which is a
 granite stone, 10x6x4 ins. above ground, firmly set,
 marked $\frac{1}{4}$ on W. face, and witnessed by a mound of stone
 W. of cor. No bearing trees. Reconstruct this cor.
 as follows:

Alongside old stone,
 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,



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

1.44 Thence,
 7.14 N. 0° 5' E., on a true line, bet. secs. 31 and 32 (N. $\frac{1}{2}$).
 31.15 Old road, brs. NW. and SE.
 39.94 Wash, 15 lks. wide, course S. 45° E.

Old road, brs. NW. and SE.
 The original cor. of secs. 29, 30, 31 and 32, which is a
 granite stone, 12x8x12 ins. above ground, firmly set,
 marked with 5 notches on E. edge, and 1 notch on S.
 edge, witnessed by a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft.
 high, W. of cor.

No bearing trees.
 Land, rolling.
 Soil, gravelly, 3rd rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood, ocotillo and cactus.

6.95 From the cor. of secs. 29, 30, 31 and 32,
 12.95 N. 0° 1' W., on a true line, bet. secs. 29 and 30 (S. $\frac{1}{2}$).
 15.45 Over rolling land, thru. scattering timber and under-
 35.15 growth.
 39.94 Wash, 10 lks. wide, course SE.

Old road, brs. SE. and SW.
 Old road, brs. NE. and SW.
 Wash, 30 lks. wide, course N. 70° E.
 The original $\frac{1}{4}$ sec. cor. of secs. 29 and 30, which is a
 granite stone 14x7x6 ins. above ground, firmly set,
 marked $\frac{1}{4}$ on W. face, witnessed by a mound of stone W.
 of cor. No bearing trees.

Reconstruct this cor. as follows. Alongside old stone,
 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,

Chains.

S30 | S29

1922

No bearing trees available. Rebuild the mound of stone
3 ft. base, 2½ ft. high, W. of cor.

Thence,

N. 2° 12' E., on a true line, along the W. bdy. of sec. 29 (N. ½).

1.70 Wash, 20 lks. wide, course N. 70° E.

10.91 Wash, 10 lks. wide, course E.

Ascend 25 ft.

15.90 Spur, slopes E.

Descend 35 ft.

20.90 Thence over rolling land.

39.83 (A point due East of the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of Tp. (Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for closing cor. of secs. 19 and 30, marked on brass cap,

. CC T3N | S19 | S29

S30 |
R2W |

1922

No bearing trees available.

40.90 Raise a mound of stone 3 ft. base, 2½ ft. high, W. of cor. The original cor. of secs. 19, 20, 29 and 30, which is a granite stone, 7x7x7 ins. above ground, firmly set, marked with 5 notches on E. edge and 2 notches on S. edge, and witnessed by a mound of stone, W. of cor.

No bearing trees.

Alter this cor. to refer to secs. 20 and 29 only by destroying the original mound of stone, and raising a new mound of stone, 3 ft. base, 2½ ft. high, E. of cor.

No bearing trees available.

Land, rolling.

Soil, gravelly and stony, 3rd rate.

Timber, ironwood and palo verde.

Undergrowth, greasewood and cactus.

From the cor. of secs. 20 and 29,
N. 1° 2' W., on a true line, along the W. bdy. of sec. 20
(S. ½).

Over rolling land, thru. scattering timber and undergrowth.

Ascend 90 ft.

-6.15 Spur, slopes S. 80° E.

Descend 105 ft.

19.35 Wash, 15 lks. wide, course E. Continue over rolling land.

22.15 Old road, brs. NW. and SE.

23.05 Wash, 25 lks. wide, course S. 70° E.

39.13 (40.19 chs. northing from the closing cor. of secs. 19 and 30, and midpoint of E. bdy. of sec. 19), Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. of sec. 19 only, marked on brass cap,

¼ S19 |

1922

No bearing trees available. Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

39.58 The original ¼ sec. cor. of secs. 19 and 20, which is a granite stone 12x10x7 ins. above ground, firmly set,

Resurvey of part of the Subdivision lines of T. 3 N., R. 2 W. 15

Chains.

marked 1/4 on W. face, witnessed by a mound of stone, W. of cor. No bearing trees. Reconstruct this cor. as follows:

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 20 only, marked on brass cap,

1/4 S20

1922

No bearing trees available. Destroy original mound of stone, and raise a new mound of stone, 3 ft. base, 2 1/2 ft. high, E. of cor.

Thence, continuing measurement.

N. 0° 11' W., on a true line, on W. bdy. of sec. 20 (N. 1/2).

58.30 Old road, brs. NE. and SW.

61.20 Wash, 10 lks. wide, course SE.

75.70 Right bank of wash, brs. S. 80° E. and N. 80° W. Thence across wash, course S. 80° E.

78.90 Left bank of wash, brs. N. 80° W. and S. 80° E.

79.33 The original point for cor. of secs. 17, 18, 19 and 20.

Land rolling.

Soil, gravelly, 3rd rate.

Timber, palo verde and ironwood.

Undergrowth, greasewood and cactus.

From the true point for cor. of secs. 17, 18, 19 and 20, N. 0° 19' W., on a true line, on W. bdy. of sec. 17 (S. 1/2). Over rolling land, thru. scattering timber and undergrowth.

1.00 The original witness cor. to cor. of secs. 17, 18, 19 and 20, which is a granite stone 13x8x6 ins. above ground firmly set, marked WC on NE. face, 5 notches on E. edge and 3 notches on S. edge, and witnessed by a mound of stone 3 ft. base, 2 1/2 ft. high, W. of cor.

No bearing trees.

Continue line and measurement.

38.40 Wash, 15 lks. wide, course E.

39.52 The original 1/4 sec. cor. of secs. 17 and 18, which is a granite stone, 10x7x7 ins. above ground, firmly set, marked 1/4 on W. face, and witnessed by a mound of stone W. of cor. No bearing trees.

Reconstruct this cor. as follows: Alongside old stone,

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 17 only, marked on brass cap,

1/4 S17

1922

No bearing trees available.

Destroy original mound of stone, and raise a new mound of stone, 3 ft. base, 2 1/2 ft. high, E. of cor.

Thence,

N. 0° 10' E., on a true line, along the W. bdy. of sec. 17, (N. 1/2).

.42 (39.94 chs. northerly from point for cor. of secs. 17, 18, 19 and 20, and midpoint of E. bdy. of sec. 18), Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 18 only, marked on brass cap,

1/4 S18

1922

No bearing trees available.

16 Resurvey of part of Subdivision lines of T. 3 N., R. 2 W.

Chains.

8.68 Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
 Wash, course S. 70° E.
 12.58 Old road, brs. NW and SE.
 27.18 Old road, brs. NW and SE.
 37.38 Wash, 3 lks. wide, course SE.
 40.36 (79.88 chs. northerly from point for cor. of secs. 17, 18, 19
 and 20) The original cor. of secs. 7, 8, 17 and 18, which
 is a granite stone $10 \times 10 \times 7$ ins. above ground, firmly
 set, marked with 5 notches on E. edge and 4 notches on
 S. edge, and witnessed by a mound of stone W. of cor. No
 bearing trees. Reconstruct this cor. as follows:
 Alongside the old stone. set an iron post, 3 ft. long, 2
 ins. in diam., 26 ins. in the ground, for cor. of secs. 7,
 8, 17 and 18, marked on brass cap,

T3N	R2W
S 7	S 8
S18	S17

1922

No bearing trees available. Rebuild the mound of stone
 $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
 Land, rolling.
 Soil, gravelly, 3rd rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood and cactus.

From the cor. of secs. 7, 8, 17 and 18,
 N. $0^{\circ}30'$ W., on a true line, on W. bdy. of sec. 8 (S. $\frac{1}{2}$).
 Over rolling land, thru. scattering timber and undergrowth.
 3.05 Road, brs. NW and SE.
 19.05 Wash, 40 lks. wide, 10 ft. deep, course E.
 24.65 Old road, brs. NW and SE.
 39.65 The original $\frac{1}{4}$ sec. cor. of secs. 7 and 8, which is a gran-
 ite stone, $10 \times 10 \times 7$ ins. above ground, firmly set, marked $\frac{1}{4}$
 on W. face, witnessed by a mound of stone W. of cor.
 No bearing trees. Reconstruct this cor. as follows:
 Alongside the old stone, set an iron post, 3 ft. long, 1
 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of
 sec. 8 only, marked on brass cap,

$\frac{1}{4}$ S 8

1922

No bearing trees available.
 Destroy old mound of stone, and raise a new mound of stone,
 3 ft. base, $2\frac{1}{2}$ ft. high, E. of cor.
 Thence,
 N. $0^{\circ}15'$ E., on a true line, on W. bdy. of sec. 8 (N. $\frac{1}{2}$).
 .25 (39.90 chs. northing from cor. of secs. 7, 8, 17 and 18, and
 midpoint of E. bdy. of sec. 7) Set an iron post, 3 ft. long,
 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor.
 of sec. 7 only, marked on brass cap,

$\frac{1}{4}$ S 7

1922

No bearing trees available.
 14.75 Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
 Wash, 15 lks. wide, course E.
 21.55 Wash, 20 lks. wide, course NE.
 26.25 Center of wash, 1 ch. wide, course E.
 40.15 (79.80 chs. northing from cor. of secs. 7, 8, 17 and 18) The
 original cor. of secs. 5, 6, 7 and 8, which is a granite
 stone $7 \times 10 \times 8$ ins., above ground, firmly set, marked

Chains.

with 5 notches on each of S. and E. edges, and witnessed by a mound of stone, W. of cor. No bearing trees. Land, rolling. Soil, gravelly, 2nd and 3rd rate. Timber, ironwood and palo verde. Undergrowth, greasewood and cactus.

From the cor. of secs. 5, 6, 31 and 32, on the N. bdy. of Tp., described in Book "C," S. 1° 19' W., on a true line on W. bdy. of sec. 5 (N. 1/2). Over rolling land, thru. scattering timber and undergrowth.

- 0.40 Wash, 50 lks. wide, course NE.
- 14.70 Wash, 5 lks. wide, 10 ft. deep, course NE.
- 30.10 Wash, 4 lks. wide, 3 ft. deep, course NE.
- 35.10 Wash, 10 lks. wide, course NE.
- 36.00 Old road, brs. NE and SW.
- 41.10 Wash, 3 lks. wide, course NE.
- 41.64 (40.00 chs. northing from the cor. of secs. 5, 6, 7 and 8) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor. of sec. 6 only, marked on brass cap,

1/4 S 6
1922

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of cor. The original 1/4 sec. cor. of secs. 5 and 6, which is a granite stone 10x8x8 ins. above ground, firmly set, marked 1/4 on W. face, and witnessed by two pits, one each N. and S. of cor. Reconstruct this cor. as follows:

- 41.96 Alongside old stone, Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 5 only, marked on brass cap,

1/4 S 5
1922

No bearing trees within limits. Obliterate original pits, and raise a mound of stone 3 ft. base, 2 ft. high, E. of cor.

- Thence, S. 0° 8' E., on a true line, on W. bdy. of sec. 5 (S. 1/2).
- 1.89 Wash, 3 lks. wide, course NE.
- 12.59 Wash, 8 lks. wide, course NE.
- 30.49 Wash, 15 lks. wide, course SE.
- 33.59 Old road, brs. NE and SW.
- 39.68 (81.64 chs. southing from cor. of secs. 5, 6, 31 and 32) The cor. of secs. 5, 6, 7 and 8.

Land, rolling. Soil, gravelly, 2nd and 3rd rate. Timber, palo verde and ironwood. Undergrowth, greasewood and cactus.

Boundaries of that part of T.3 N., R.2 W., surveyed under this Group.

Latitudes, Departures and Closing Errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	S.89°46'W.	40.10		.16		40.10
	S.89°39'W.	40.10		.24		40.10
West boundary,	North,	482.24	482.24			
North boundary,	N.89°48'E.	3.16	.01		3.16	
	S.89°39'E.	78.31		.48	78.31	
Subdivisional boundary	S.1°19'W.	41.96		41.95		.96
	S.0°8'E.	39.68		39.68	.09	
	S.0°15'W.	40.15		40.15		.17
	S.0°30'E.	39.65		39.65	.35	
	S.0°10'W.	40.36		40.36		.12
	S.0°19'E.	39.52		39.52	.22	
	S.0°11'E.	39.75		39.75	.13	
	S.1°2'E.	39.58		39.57	.71	
	S.2°12'W.	40.90		40.87		1.57
	S.0°1'E.	39.94		39.94	.01	
	S.0°5'W.	39.94		39.94		.06
S.0°9'E.	39.95		39.95	.10		
Convergency,					.08	
Totals.			482.25	482.21	83.16	83.08
			482.21		83.08	
	Error in latitude,		0.04			
	Error in departure,				0.08	

Completion of the survey of Subdivision lines of T.3 N., R.2 W. 19

Chains.	
	From the cor. of secs. 29, 30, 31 and 32, hereinbefore described, West, on a random line, bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.19	Fall 21 lks. N. of the cor. of secs. 25, 30, 31 and 36, on the W. bdy. of Tp., hereinbefore described. Thence, N. $89^{\circ}51'E.$, on a true line, bet. secs. 30 and 31. Over rolling land, thru. scattering timber and under- growth. Descend.
1.80	Wash, 5 lks. wide, course N. $45^{\circ}E.$
5.00	Wash, 5 lks. wide, course N. $20^{\circ}E.$ Ascend 55 ft.
10.00	Descend 30 ft., over NE. slope.
13.50	Ravine, course N. Ascend 20 ft.
17.40	Descend 120 ft., over NE. slope.
29.00	Old road, brs. NW and SE.
34.00	Wash, course SE.
40.19	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	S 30 S 31 1922
	No bearing trees available. Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.
42.90	Wash, 5 lks. wide, course SE.
52.00	Wash, 10 lks. wide, course SE.
62.30	Old road, brs. NW. and SE.
80.19	The cor. of secs. 29, 30, 31 and 32. Land, rolling and hilly. Soil, rocky, 3rd and 4th rate. Timber, palo verde and ironwood. Undergrowth, greasewood and cactus.

	Knowing that it will be necessary in the survey of the mile bet. secs. 19 and 30 to set a closing cor. for secs. 19 and 30, on the W. bdy. of sec. 29, proceed as follows:
	From the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of Tp., hereinbefore described, East, on a random line, bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
81.73	Intersect the W. bdy. of sec. 29, at a point 1.07 chs. $S. 2^{\circ}$ $12'W.$ of the cor. of secs. 20 and 29. At the point of intersection, establish the closing cor. of secs. 19 and 30, as hereinbefore described. Return to the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of Tp. Thence, East, on a true line, bet. secs. 19 and 30. Over mountainous land, thru. scattering timber and under- growth. Ascend 265 ft.
13.90	Descend 175 ft., over SE. slope.
31.00	Wash, 15 lks. wide, course N. $45^{\circ}E.$ Thence over rolling land.
40.21	(A point due north of the $\frac{1}{4}$ sec. cor. of secs. 30 and 31, as computed by traverse of E. $\frac{1}{2}$ of sec. 30), 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 19 S 30 1922

BOOK 3607

20 Completion of survey of Subdivision lines of T.3 N., R.2 W.

Chains.	
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor. Wash, 15 lks. wide, course N. Ascend 680 ft.
52.93	Wash, 5 lks. wide, course NW. Continue ascent.
58.53	Ridge, brs. NE and SW.
67.73	Descend 25 ft., over SE. slope.
81.73	The closing cor. of secs. 19 and 30. Land, rolling and mountainous. Soil, rocky, 3rd rate. Timber, palo verde and ironwood. Undergrowth, greasewood and cactus.

	From the true point for cor. of secs. 17, 18, 19 and 20, witnessed at 1.00 ch. N. 0° 19' W., as hereinbefore described, West, on a random line, bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
80.84	Fall 40 lks. N. of the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp., hereinbefore described.
	Thence, N. 89° 43' E., on a true line, bet. secs. 18 and 19. Over rolling land, thru. scattering timber and undergrowth.
12.34	Wash, 10 lks. wide, course SE.
40.12	(A point due north of the ¼ sec. cor. of secs. 19 and 30, as computed by traverse of E. ½ of sec. 19) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,
	$\frac{1}{4} \text{ S } 18$ $\text{S } 19$ 1922
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
63.54	Wash, 50 lks. wide, course S. 70° E.
80.84	The true point for cor. of secs. 17, 18, 19 and 20. Land, rolling. Soil, gravelly, 3rd and 4th rate. Timber, ironwood and palo verde. Undergrowth, greasewood and cactus.

	From the cor. of secs. 7, 8, 17 and 18, hereinbefore described, West, on a random line, bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
80.68	Fall 33 lks. N. of the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of Tp., hereinbefore described.
	Thence, N. 89° 46' E., on a true line, bet. secs. 7 and 18. Over rolling land, thru. scattering timber and undergrowth.
1.00	Enter wash, 3 lks. wide, course E. from NW.
4.60	Leave wash, course SE. from W.
12.80	Wash, 20 lks. wide, course SE.
40.06	(A point due north of the ¼ sec. cor. of secs. 18 and 19, as computed by traverse of E. ½ of sec. 18), Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,
	$\frac{1}{4} \text{ S } 7$ $\text{S } 18$ 1922
	No bearing trees available. Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
44.40	Wash, 5 lks. wide, course SE.
53.60	Wash, 3 lks. wide, course SE.

Completion of survey of Subdivision lines of T.3 N., R.2 W. 21

Chains.

61.20 Same wash, course NE.
 75.60 Same wash, course SE.
 80.68 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, gravelly, 3rd and 4th rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood and cactus.

 From the cor. of secs. 5, 6, 7 and 8, hereinbefore described,
 West, on a random line, bet. secs. 6 and 7.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.58 Fall 10 lks. N. of the cor. of secs. 1, 6, 7 and 12, on the
 W. bdy. of Tp., hereinbefore described.
 Thence N. 89° 56' E., on a true line, bet. secs. 6 and 7.
 Over rolling land, thru. scattering timber and undergrowth.
 16.66 Wash, 20 lks. wide, 12 ft. deep, course SE.
 37.00 Wash, course SE.
 40.14 (A point due north of the $\frac{1}{4}$ sec. cor. of secs. 7 and 18, as
 computed by traverse of E. $\frac{1}{2}$ of sec. 7),
 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 6
 S 7
 1922

from which,
 An ironwood, 7 ins. in diam., brs. N. 66 $\frac{1}{2}$ ° W., 70
 lks. dist., marked $\frac{1}{4}$ S 6 BT.
 No other bearing trees available. Raise a mound of
 stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
 40.60 Wash, 5 lks. wide, course SE.
 52.90 Wash, 4 lks. wide, course SE.
 Descend gradual slope, 185 ft.
 61.80 Wash, 20 lks. wide, course S. 70° E. Continue gradual de-
 descent.
 66.00 Old road, brs. NE. and SW.
 71.00 Wash, 4 lks. wide, course SE. Continue gradual descent.
 73.50 Wash, 3 lks. wide, course SE. Continue gradual descent.
 80.58 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling.
 Soil, gravelly and rocky, 3rd rate.
 Timber, ironwood and palo verde.
 Undergrowth, cactus and greasewood.

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

GENERAL DESCRIPTION.

With the exception of the north half of sec. 30, and part
 of sec. 19, which are mountainous, the land surveyed under
 this group in T. 3 N., R. 2 W. is rolling, draining east-
 erly from White Tank Mountains. The soil varies
 from gravelly loam, 2nd rate, to rocky, 4th rate, the
 better soil being found in the north 4 secs. Palo
 verde and ironwood timber, and greasewood and cactus
 undergrowth are plentiful. There are no settlers, nor
 is there any developed water in this part of the town-
 ship. No indications of mineral were observed.

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Ty White, U.S. Transitman, U.S. Surveyor, 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 surveyed all those parts or portions of the South Boundary, resurveyed all those parts or portions of the South Boundary and Part of the Subdivision Lines and surveyed all those parts or portions of the Subdivision Lines (Completion) of Township 3 North, Range 2 West.

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 1 hereof as having been executed by me, and under my direction; and that all the corners of retracement, 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. Surveyor
U.S. Transitman

APPROVAL

Office of the United States Surveyor General

101

The foregoing field notes of the survey of

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

U.S. Surveyor General

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

U.S. Surveyor General

BOOK 3607

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER

U.S. Cadastral Engineer

I, William H. Thorn, U.S. Cadastral Engineer, ~~U.S. Surveyor~~, 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 Instruc-

retraced

tions, and the laws of the United States, ~~surveyed~~ all those parts or portions of the South Boundary

of Township 4 North, Range 3 West, and surveyed all those parts or

portions of the West Boundary of

Township 3 North, Range 2 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 retracement

and survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-

tions, and the special written instructions of the U. S. Surveyor General, for Group 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.

Date March 22 1924

at Camp

Place T10S R1W GSR B+M

William H Thorn

U.S. Surveyor

U.S. Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, April 22, 1924.

The foregoing field notes of the ~~survey of~~ retracement of Part of the South Boundary of Township 4 North, Range 3 West,

the resurvey of Part of the South Boundary and Part of the Subdivision

of Township 3 North Range 2 West

Lines and the survey of the West Boundary and Part of the Subdivision

Lines (Completion) of Township 3 North, Range 2 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. Trans-

sitman under his special instructions dated May 20, 1921 for Group 115 Arizona, and having been

critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~surveys~~

retracements, resurveys and surveys they describe, are hereby approved.

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.~~