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Book "C"
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BOOK 3650

BOOK 3650

FIELD NOTES

OF THE RETRACEMENT OF

THIRD STANDARD PARALLEL SOUTH, THRU. PART OF RANGE 25 EAST,

of the RESURVEY of the

WEST BOUNDARY, AND

PART OF THE SUBDIVISION LINES OF T.15 S., R.25 E.,

and of the SURVEY of

PART (COMPLETION) OF THE SUBDIVISION LINES OF

TOWNSHIP 15 SOUTH, RANGE 25 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

F. W. Chapin,

In the capacity of U. S. Surveyor, under Special Instructions dated December 16, 1921, issued by the United States Surveyor General to govern surveys included in Group No. 119, Arizona, which were approved by the Commissioner of the General Land Office, February 2, 1922, and Assignment Instructions dated November 20, 1922.

Retracement,
Resurvey and Survey commenced November 27, 1922.

Retracement,
Resurvey and Survey completed December 5, 1922.

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(1A)

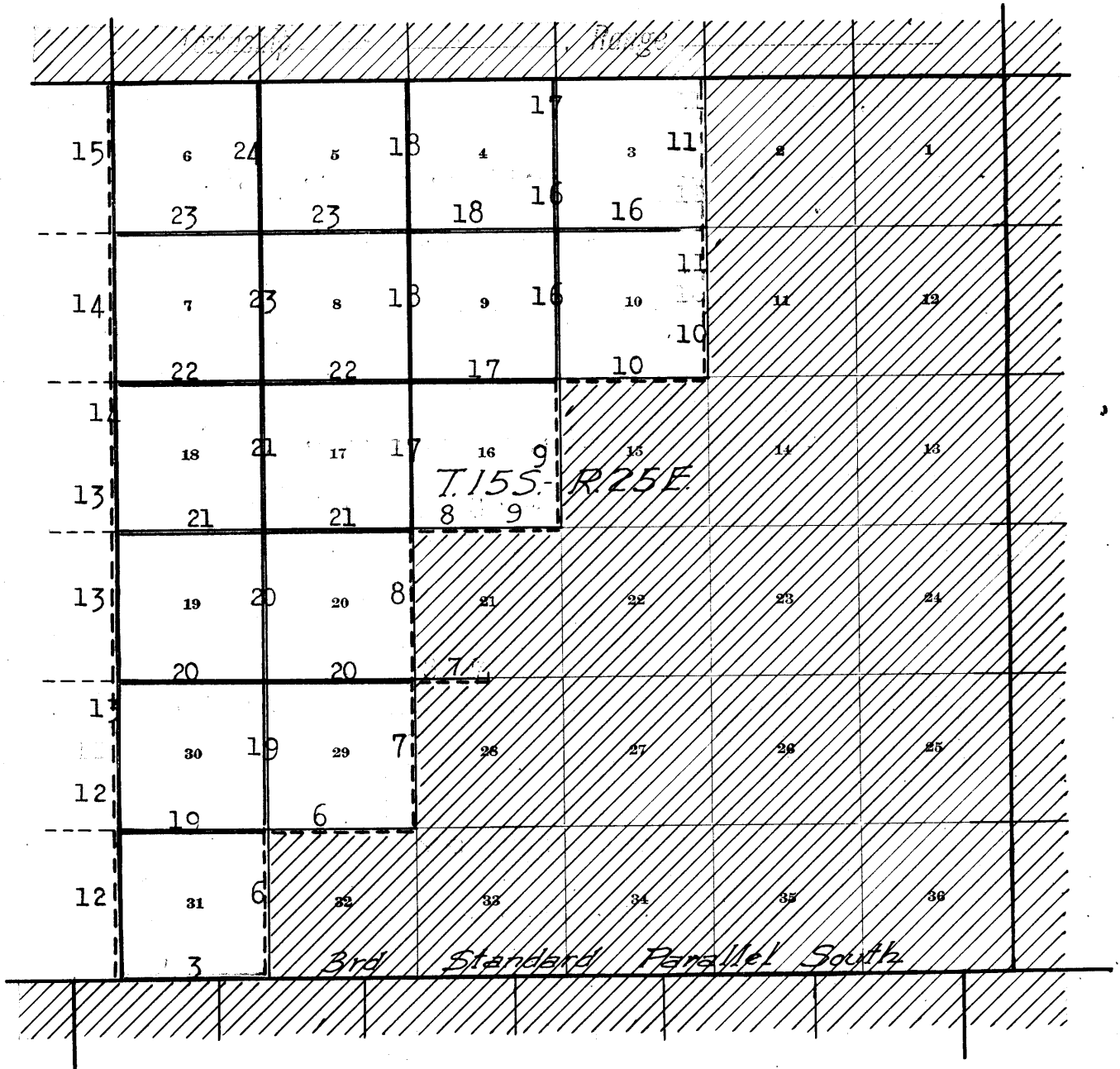
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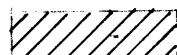
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Group 119 - - - Arizona.

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INDEX DIAGRAM.



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

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Group 119 - - - - Arizona.

Township 15 South, Range 25 East.

DATE DIAGRAM.

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

- Indicates surveys executed by F.W.Chapin, U.S.S. on dates shown thereon.
- Indicates resurveys executed by F.W.Chapin, U.S.S. on dates shown thereon.
- Indicates retracements executed by F.W.Chapin, U.S.S. on dates shown thereon.
- Indicates accepted surveys.

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②

Retracements, resurveys and surveys herein described were executed by F. W. Chapin, U.S. Surveyor, on dates shown on diagram on page 1 hereof, using Buff solar transit No. 9984. The instrument is equipped with a full vertical circle and the Smith solar attachment. Unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

Nov. 26. Examine the adjustments of the instrument and correct all errors, then, to test the adjustment of the solar attachment by comparing its indications resulting from observations made during a.m. and p.m. hours with a meridian determined by direct observations on Polaris, proceed as follows:

Nov. 26, 1922: At camp, near the cor. of secs. 15, 16, 21 and 22, T. 15 S., R. 25 E., Gila and Salt River Base and Meridian, Arizona, in latitude $32^{\circ}7'N.$, and longitude $109^{\circ}47'33''W.$ of Greenwich, at 9h. 00m. a.m. app. time, set off $32^{\circ}7'$ on the latitude arc; $20^{\circ}51\frac{1}{2}'S.$ on the declination arc; and determine a meridian with the solar. From this meridian, I read the horizontal deflection angle to a windmill which brs. S. $22'E.$ about one mile distant.

At app. noon, with the latitude arc unchanged, observe the sun on the meridian; the resulting reading of the declination arc is $20^{\circ}53\frac{1}{2}'$ which agrees with the computed declination of the sun.

At 3h. 00m. p.m., app. time with the latitude arc unchanged, set off $20^{\circ}54'S.$ on the decl. arc, and determine a meridian with the solar, which agrees with the meridian obtained by a.m. observation.

At the same station at 5h. 5m. p.m., l.m.t., I make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angles from the reference mark above mentioned.

Watch time of observation = 5h. 24m. p.m.

Azimuth of Polaris = $1^{\circ}9\frac{1}{2}'E.$

Mean horizontal angle from Polaris to reference mark = $178^{\circ}28\frac{1}{2}'N-E-S.$

True bearing of reference mark = S. $0^{\circ}22'E.$

As all of the solar observations made during the usual hours of solar work come within 1' 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 standard steel tape and found correct. The measurements are made on the slope, the vertical angles determined, and the slope measurements properly reduced to true horizontal distances.

Retracement of 3rd. Std.Par.S., thru. part of Range 25 East.

3

Chains.

The 3rd Std.Par.S.in Range 25 East was surveyed in 1977, by Theodore F. White, U.S.D.S., and resurveyed in 1898 by John A. Rockfellow, U.S.D.S., and again resurveyed in 1913 by Thomas B. Matthews, U.S.S.

No other resurveys or retracements of the Parallel in Range 25 East are of record.

The following notes describe a retracement of the parallel S. of sec. 31, T. 15 S., R. 25 E.

The std.cor.of secs. 31 and 32, T. 15 S., R. 25 E., reestablished by T.B. Matthews, U.S.S. in 1913 is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by faint traces of pits, one each E., W. and N. of cor., and mound of earth, N. of cor. No bearing trees.

Thence, S. 89° 47' W., on random line, on S. bdy. of sec. 31 (E. 1/2). Over level land, devoid of timber or undergrowth, nearly parallel to wire fence, about 50 lks. S. of line.

15.00 East edge of large dry alkali lake bed, known as Willcox Flat, brs. N. and S. Thence across level lake bed, bare of vegetation.

25.19 NW. cor. of wire fence, brs. S. about 50 lks. dist. There is no fence S. of line beyond this point.

27.38 Fall 11 lks. N. of the closing cor. of secs. 5 and 6, T. 16 S., R. 25 E. reestablished by T. B. Matthews, U.S.S. in 1913, which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by faint traces of pits, one each, E., W. and S. of cor., and a mound of earth, S. of cor. No bearing trees.

39.65 Continue line and measurement. Fall 16 lks. S. of the std. 1/4 sec. cor. of sec. 31, T. 15 S., R. 25 E., reestablished by T.B. Matthews, U.S.S. in 1913, which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by faint traces of pits, one each E. and W. of cor., and a mound of earth N. of cor. No bearing trees.

The true course and dist. of the E. 1/2 of S. bdy. of sec. 31 are therefore N. 89° 59' W., 39.65 chs., and the closing cor. is in alinement with the standard cors.

From standard 1/4 sec. cor., S. 89° 47' W., on random line, on S. bdy. of sec. 31 (W. 1/2). Over level dry alkali lake bed, known as Willcox Flat, bare of vegetation.

22.30 Road, brs. N. and S.

39.75 Fall 1 lk. S. of the std. cor. of Ts. 15 S., Rs. 24 and 25 E., reconstructed by T.B. Matthews, U.S.S. in 1913, which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by faint traces of pits, one each E., W. and N. of cor., and a mound of earth, N. of cor. No bearing trees.

The true course and dist. of W. 1/2 of S. bdy. of sec. 31 are therefore S. 89° 48' W., 39.75 chs.

Land, level.
Soil, alkali and clay, 2nd rate.
Timber, none.
Undergrowth, none.

4 Resurvey of part of Subdivision lines of T.15 S., R. 25 E.

Chains.

The subdivision lines of secs. 1 and 2, 11 to 15, 21 to 28 and 32 to 36 of this township were surveyed in 1898 by John A. Rockfellow, U.S.D.S., and no retracement or resurvey of any part of same is of record. The following notes describe a resurvey of those subdivision lines which adjoin and form boundaries of sections in that portion of the township subdivided under Group No. 119, as hereinafter described.

Retracement for Resurvey.

40.00 From std. cor. of secs. 31 and 32 on 3rd Std. Par. S., hereinafter described,
 N. 0° 12' E., on random line, bet. secs. 31 and 32 (S. $\frac{1}{2}$).
 Fall 44 lks. E. of the original $\frac{1}{4}$ sec. cor., hereinafter described.

True course and dist. of S. $\frac{1}{2}$ of line, bet. secs. 31 and 32 are therefore, N. 0° 26' W., 40.00 chs.

Thence,
 40.00 N. 0° 12' E., on a random line, bet. secs. 31 and 32 (N. $\frac{1}{2}$).
 Diligent search in this vicinity fails to reveal any trace of the original cor. of secs. 29, 30, 31 and 32.
 Set temp. cor. of said secs.

40.22 From temp. cor. of secs. 29, 30, 31 and 32,
 N. 89° 59' E., on random line, bet. secs. 29 and 32 (W. $\frac{1}{2}$).
 Fall 16 lks. S. of the original $\frac{1}{4}$ sec. cor., hereinafter described.

Thence,
 40.20 N. 89° 59' E., on random line, bet. secs. 29 and 32 (E. $\frac{1}{2}$).
 Fall 5 lks. S. of the original cor. of secs. 28, 29, 32 and 33 hereinafter described.

True course and dist. of E. $\frac{1}{2}$ of line, bet. secs. 29 and 32, are therefore N. 89° 55' E., 40.20 chs.

40.06 From original cor. of secs. 28, 29, 32 and 33,
 N. 0° 13' E., on random line, bet. secs. 28 and 29 (S. $\frac{1}{2}$).
 Intersect the original $\frac{1}{4}$ sec. cor., hereinafter described.
 True course and dist. of S. $\frac{1}{2}$ of line, bet. secs. 28 and 29, are therefore N. 0° 13' W., 40.06 chs.

Thence,
 40.00 N. 0° 13' W., on random line, bet. secs. 28 and 29 (N. $\frac{1}{2}$).
 Diligent search in this vicinity fails to reveal any trace of the original cor. of secs. 20, 21, 28 and 29,
 Set temp. cor. of said secs.

39.99 From temp. cor. of secs. 20, 21, 28 and 29,
 N. 89° 52' E., on random line, bet. secs. 21 and 28 (W. $\frac{1}{2}$).
 Fall 6 lks. S. of the original $\frac{1}{4}$ sec. cor., hereinafter described.

40.10 From temp. cor. of secs. 20, 21, 28 and 29,
 N. 0° 13' E., on random line, bet. secs. 20 and 21 (S. $\frac{1}{2}$).
 Intersect the original $\frac{1}{4}$ sec. cor., hereinafter described.
 Thence,
 N. 0° 13' E., on random line, bet. secs. 20 and 21 (N. $\frac{1}{2}$).

Chains. Retracement for Resurvey, continued.
 40.05 Intersect the original cor. of secs. 16, 17, 20 and 21, herein-
 after described.
 True course and dist. of N. $\frac{1}{2}$ of line bet. secs. 20 and 21,
 are therefore N. 0° 13' E., 40.05 chs.

 From original cor. of secs. 16, 17, 20 and 21,
 N. 89° 53' E., on random line, bet. secs. 16 and 21.
 39.95 Diligent search in this vicinity fails to reveal any trace
 of the original $\frac{1}{4}$ sec. cor.
 Set temp. cor., and continue line and measurement.
 80.00 Fall 4 lks. N. of the original cor. of secs. 15, 16, 21 and 22,
 hereinafter described.
 True course and dist. of line bet. secs. 16 and 21 are
 therefore N. 89° 55' E., 80.00 chs.

 From original cor. of secs. 15, 16, 21 and 22,
 N. 0° 13' E., on random line, bet. secs. 15 and 16.
 40.00 Diligent search in this vicinity fails to reveal any
 trace of the original $\frac{1}{4}$ sec. cor.
 Set temp. cor., and continue line and measurement.
 80.00 Diligent search in this vicinity fails to reveal any
 trace of the original cor. of secs. 9, 10, 15 and 16.
 Set temp. cor. of said secs.

 From temp. cor. of secs. 9, 10, 15 and 16,
 N. 89° 50' E., on random line, bet. secs. 10 and 15.
 40.02 Diligent search in this vicinity fails to reveal any
 trace of the original $\frac{1}{4}$ sec. cor.
 Set temp. cor., and continue line and measurement.
 80.12 Fall 14 lks. S. of the original cor. of secs. 10, 11, 14 and
 15, hereinafter described.

 From original cor. of secs. 10, 11, 14 and 15,
 N. 0° 14' E. on random line, bet. secs. 10 and 11.
 40.00 Diligent search in this vicinity fails to reveal any trace
 of the original $\frac{1}{4}$ sec. cor.
 Set temp. cor., and continue line and measurement.
 80.10 Intersect the original cor. of secs. 2, 3, 10 and 11, herein-
 after described.
 True course and dist. of line bet. secs. 10 and 11 are there-
 fore N. 0° 14' E., 80.10 chs.

 From original cor. of secs. 2, 3, 10 and 11,
 N. 0° 23' E., on random line, bet. secs. 2 and 3 (S. $\frac{1}{2}$).
 40.05 Fall 26 lks. E. of the original $\frac{1}{4}$ sec. cor. hereinafter de-
 scribed.
 True course and dist. of S. $\frac{1}{2}$ of line, bet. secs. 2 and 3
 are therefore, N. 0° 1' E., 40.05 chs.

 Thence,
 N. 0° 23' E., on random line, bet. secs. 2 and 3 (N. $\frac{1}{2}$).
 35.91 Fall 23 lks. E. of the cor. of secs. 2, 3, 34 and 35 on N. bdy.
 of Tp., hereinafter described.
 True course and dist. of N. $\frac{1}{2}$ of line, bet. secs. 2 and
 3 are therefore N. 0° 1' E., 35.91 chs.

 In the retracement of the subdivision lines as hereinbe-
 fore described, there appears to be a uniform difference
 of measurement of 10 lks. per mile in the comparison
 of the results of said retracement with the record;
 therefore, in the reestablishment of all lost corners
 monuments such difference is used as an index error,
 and added to the record measurements.

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Resurvey of part of Subdivision lines of T. 15 S., R. 25 E.

Chains.

From the standard cor. of secs. 31 and 32, in the S. bdy. of the Tp. (3rd. Std. Par. S.), hereinbefore described, N.0°26'W., on a true line, bet. secs. 31 and 32 (S. $\frac{1}{2}$). Over level land, devoid of timber or undergrowth, parallel to and about 40 lks. W. of fence.

40.00 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 31 and 32, which is a pine post, 4 ins. sq., projecting 18 ins. above ground, firmly set and properly marked. No accessories visible. Reconstruct this cor. as follows:
Alongside old wood post, set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

S31	S32
-----	-----

1922

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

Thence, N.0°20'E., on a true line, bet. secs. 31 and 32 (N. $\frac{1}{2}$). Over level land, devoid of timber or undergrowth, parallel to and about 40 lks. W. of fence.

40.05 Set an iron post, 3 ft. long, 2 ins. in diam., 29 ins. in the ground for reestablished cor. of secs. 29, 30, 31 and 32, marked on brass cap,

T15S	R25E
S30	S29

S31	S32
-----	-----

1922

from which,

A fence cor. brs. S.42°E., 52 lks. dist., from which fence extends E. and S.

Deposit a granite stone, 4x4x2 ins., marked with a cross (x) at base of post.

Land, level.

Soil, silt, 2nd rate.

Timber, none.

Undergrowth, none.

N.89°50'E., on a true line, bet. secs. 29 and 32 (W. $\frac{1}{2}$). Over level land, devoid of timber or undergrowth, parallel to and about 40 lks. N. of fence.

40.13 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 29 and 32, which is a pine post 4 ins. square, projecting 18 ins. above ground, firmly set and properly marked. No accessories visible. Reconstruct this cor. as follows:
Alongside of old wood post, set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 29	
--------------------	--

S 32	
------	--

1922

Deposit a cow bone and a stone marked with a cross (x) at base of post.

Thence,

N.89°55'E., on a true line, bet. secs. 29 and 32 (E. $\frac{1}{2}$).

Over level land, devoid of timber and undergrowth, parallel to and about 40 lks. N. of fence.

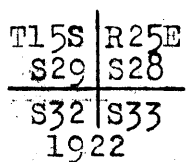
40.20 Intersect remains of original cor. of secs. 28, 29, 32 and 33, consisting of the stump of old pine post; set firmly in the ground. No accessories. Reconstruct this cor. as follows:

Alongside of old stump, set an iron post, 3 ft. long, 2 ins.

Resurvey of part of Subdivision lines of T. 15 S., R. 25 E. 7

Chains.

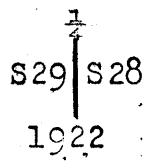
in diam., 30 ins. in the ground for cor. of secs. 28, 29, 32 and 33, marked on brass cap,



from which,
Fence cor., brs. S. 47° E., 60 lks. dist., from which fence extends E. and S.
Fence cor. brs. S. 45½° W., 61 lks. dist., from which fence extends S. and W.

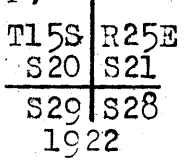
Land, level.
Soil, silt, 2nd rate.
Timber, none.
Undergrowth, none.

40.06 From cor. of secs. 28, 29, 32 and 33, N. 0° 13' E., on a true line, bet. secs. 28 and 29 (S. ½). Over level land, devoid of timber or undergrowth. Intersect the original ¼ sec. cor. of secs. 28 and 29, which is a pine post, 4 ins. sqr., projecting 12 ins. above ground, firmly set and properly marked. No accessories. Reconstruct this cor. as follows: Alongside of old wood post, set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground for ¼ sec. cor., marked on brass cap,



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

40.05 Thence, N. 0° 13' E., on a true line, bet. secs. 28 and 29 (N. ½). Over level land, devoid of timber or undergrowth. Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, for reestablished cor. of secs. 20, 21, 28 and 29, marked on brass cap,



A fence post brs. N. 42° E., 50 lks. dist., in fence bearing E. and W.
Deposit a glass bottle at base of post.

Land, level.
Soil, silt, 2nd rate.
Timber, none.
Undergrowth, none.

39.99 From reestablished cor. of secs. 20, 21, 28 and 29, N. 89° 51' E., on a true line, bet. secs. 21 and 28 (W. ½). Over level land, devoid of timber or undergrowth, parallel to and 35 lks. S. of fence. Intersect the original ¼ sec. cor. of secs. 21 and 28, which is a pine post, 4 ins. sqr., projecting 12 ins. above ground, firmly set, and properly marked. No accessories. Reconstruct this cor., as follows:

8 Resurvey of part of Subdivision lines of T.15 S., R.25 E.

Chains.

Alongside of old wood post, set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 21
S 28
1922

Deposit a tin can at base of post.
Land, level.
Soil, clay; 2nd rate.
Timber, none.
Undergrowth, none.

From the reestablished cor. of secs. 20, 21, 28 and 29, N.0°13'E., on a true line, bet. secs. 20 and 21 (S. $\frac{1}{2}$).
Over level land, devoid of timber or undergrowth.

.35
40.05

Fence, brs. E. and W.
Intersect remains of the original $\frac{1}{4}$ sec. cor. of secs. 20 and 21, consisting of stump of old pine post, firmly set in the ground. No accessories.

Reconstruct this cor. as follows:

Alongside of old stump, set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S20 | S21
1922

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

Thence, N.0°13'E., on a true line, bet. secs. 20 and 21 (N. $\frac{1}{2}$).
Over level land, devoid of timber or undergrowth.

27.75
40.05

Wash, 30 lks. wide, 3 ft. deep, course SW.
Intersect the original cor. of secs. 16, 17, 20 and 21, which is a pine post, 4 ins. sq., projecting 15 ins. above ground, firmly set, and properly marked. No accessories. Reconstruct this cor. as follows:

Alongside old wood post, set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground for cor. of secs. 16, 17, 20 and 21, marked on brass cap,

T15S | R25E
S17 | S16
S20 | S21
1922

Deposit a glass bottle at base of post.
Fence cor. brs. N.80°E., 29 lks. dist., from which fences extend E., W. and N.

Land, level.
Soil, clay, 2nd rate.
Timber, none.
Undergrowth, none.
Fair grass.

N.89°55'E., on a true line, bet. secs. 16 and 21.
Over level land, devoid of timber or undergrowth along fence, bearing E. and W., about 5 lks. N. of line.

39.00

Cross fence, bearing E. and W. Thence along N. side of same fence.

40.00

(Proportional dist.) Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for reestablished $\frac{1}{4}$ sec. cor., marked on brass cap,

Resurvey of part of Subdivision lines of T. 15 S. R. 22 E. 9

Chains.

± S 16
 S 21
 1922

79.52 Dig pits 18x18x12 ins., one each E. and W. of cor., 3 ft. dist.
 Fence cor. brs. S. 25 lks. dist. at N. side of gate, from which fences extend NE., S. and W.

79.85 Fence, brs. NE. and SW.
 80.00 Intersect the original cor. of secs. 15, 16, 21 and 22, which is a pine post, 4 ins. square, projecting 12 in above ground, loosely set and properly marked.

No accessories.
 Reconstruct this cor. as follows:
 Alongside, old wood post, set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground for cor. of secs. 15, 16, 21 and 22, marked on brass cap,

T15S | R25E
 S16 | S15
 S21 | S22
 1922

from which,
 A fence cor. (5 in. oak post) brs. N. 44 1/4° E., 68 lks. dist., from which fences extend SW., N. and E.
 Fence cor. (8 in. oak post) brs. S. 45° E., 66 lks. dist., from which fences extend E. and S.
 An oak post, 8 ins. square at S. side of gate, brs. S. 45° W., 68 lks. dist., from which fence extends S.

Dig pits, 18x18x12 ins., one in each sec. 3 ft. dist.
 Road brs. E. and S. from this cor.
 Land, level.
 Soil, clay, 2nd rate.
 Timber, none.
 Undergrowth, none.
 Fair grass.

.12 N. 0° 12' E., on a true line, bet. secs. 15 and 16.
 .50 Over level land, devoid of timber or undergrowth.
 Fence brs. NE. and SW.
 Fence cor. brs. East 45 lks. dist., from which fences extend SW., E and N. Thence parallel to fence, about 45 lks. E. of line.

40.05 (Proportional dist.) Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for reestablished 1/4 sec. cor., marked on brass cap,

±
 S16 | S15
 1922

79.80 Deposit a glass bottle with piece of iron 18 ins. long at base of post.
 Continue over level land, devoid of timber or undergrowth, parallel to fence, about 30 lks. E. of line.

80.10 Fence brs. E. and W. Fence cor. brs. E. 20 lks. dist., from which fences extend E., W. and S.

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground for reestablished cor. of secs. 9, 10, 15 and 16 marked on brass cap,

T15S | R25E
 S 9 | S10
 S16 | S15
 1922

Deposit a tin can at base of post.

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10 Resurvey of part of Subdivision lines of T.15 S. R.25 E. chains.

Land, level.
 Soil, silt, 2nd rate.
 Timber, none.
 Undergrowth, none.
 Fair grass.

40.07 N. 89° 48' E., on a true line, bet. secs. 10 and 15.
 Over level land, devoid of timber and undergrowth, parallel to fence 20 lks. S. of line.
 (Proportional dist.) Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor., marked on brass cap,

+
 S 10
 S 15
 1922

79.64 Deposit a tin can at base of post.
 Continue over level, open land, parallel to fence, about 35 lks. S. of line.
 Fence cor. brs. S. about 50 lks. dist., from which fence extends W. and S.
 80.00 Road, from Willcox to Flanders ranch, brs. N. and S.
 80.14 Intersect the remains of original cor. of secs. 10, 11, 14 and 15, consisting of stump of 4 in. iron post, marks obliterated by decay, firmly set in ground and witnessed by a faint trace of pits, one each NE., SE., SW. and NW. of cor.

Reconstruct this cor. as follows:
 Alongside of old stone, set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground for cor. of secs. 10, 11, 14 and 15, marked on brass cap,

T15S | R25E
 S10 | S11
 S15 | S14
 1922

from which,
 A line post in N. and S. fence, brs. N. 48 $\frac{1}{2}$ ° E., 80 lks. dist.
 Post at fence cor. brs. S. 53° 45' E., 89 lks. dist., from which fences extend N., S. and E.
 Post at fence cor. brs. S. 44 $\frac{1}{2}$ ° W., 73 lks. dist., from which fences extend W. and S.

Dig pits, 18x18x12 ins., one in each sec. 3 ft. dist.
 Land, level.
 Soil, clay, 2nd rate.
 Timber, none.
 Undergrowth, none.
 Fair grass.

33.60 N. 0° 14' E., on a true line, bet. secs. 10 and 11.
 40.05 Over level land, devoid of timber or undergrowth, along road, bearing N. and S. and parallel to fence about 60 lks. E. of line.

Wash, 30 lks. wide, 3 ft. deep, course SW.
 (At proportional dist.) Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for reestablished $\frac{1}{4}$ sec. cor., marked on brass cap,

+
 S10 | S11
 1922

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

Chains.

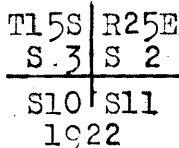
dist.

80.10

Continue over level open land, along road, and about 50 lks. W. from fence, bearing N. and S.

Intersect the original cor. of secs. 2, 3, 10 and 11, which is a pine post, 4 ins. sq., projecting 15 ins. above ground, firmly set, and properly marked. No accessories. Reconstruct this cor. as follows:

Alongside of old wood post, set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground for cor. of secs. 2, 3, 10 and 11, marked on brass cap,



from which,

Post at fence cor., brs. S. 56° E., 53 lks. dist., from which fences extend E. and S.

Deposit a stone, 10x8x6 ins., marked with a cross (x) at base of post.

Road 10 lks. W. of cor. brs. NW. and S.

Land, level.

Soil, clay, 2nd rate.

Timber, none.

Undergrowth, none.

Fair grass.

15.00

N. 0° 1' E., on a true line, bet. secs. 2 and 3 (S $\frac{1}{2}$).

Over level land, devoid of timber and undergrowth.

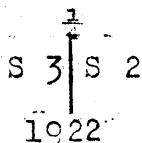
East edge of large dry lake bed, brs. NE and SW. Thence across alkali lake bed, known as Willcox Flat.

40.05

Intersect the original $\frac{1}{4}$ sec. cor. of secs. 2 and 3, which is a pine post, 4 ins. sq., projecting 12 ins. above ground, firmly set, and properly marked.

No accessories. Reconstruct this cor. as follows:

Alongside of old wood post, set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,



Deposit charcoal at base of post.

Thence, N. 0° 01' E., on true line, bet. secs. 2 and 3 (N. $\frac{1}{2}$).

Over level barren land, in large dry lake bed, known as Willcox Flat.

35.91

Intersect the cor. of secs. 2, 3, 34 and 35 on N. bdy. of Tp. reconstructed by T. B. Matthews, U.S.S. in 1913, which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, and properly marked on brass cap. No accessories visible.

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

Land, level.

Soil, gumbo, 2nd rate.

Timber, none.

Undergrowth, none.

BOOK 3650

12 Resurvey of West bdy. of Township 15 South, Range 25 East.

Chains.

The west bdy. of T. 15 S., R. 25 E., was surveyed in 1881 by Theo. F. White, U.S.D.S. In 1913, Thomas B. Matthews, U.S.S. resurveyed this line, reestablishing all corners thereon at proportional intervals of 39.92 chs. No other resurvey or retracement of the line is of record. No subdivision lines being tied to this range line, it is subject to rectification. The following notes describe an independent resurvey of the said Tp. bdy.

From the std. cor. of Ts. 15 S., Rs. 24 and 25 E., on 3rd Std. Par. S., hereinbefore described,
N. 0° 8' E., on a true line, bet. secs. 31 and 36, toward flag on the objective Tp. cor., which is visible on such bearing.

Over level barren bed of large dry lake, known as Willcox Flat.

39.84 Intersect previously reestablished $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. in diam., projecting 12 ins. above ground, firmly set and properly marked on brass cap, No accessories. Remove this iron post, and at

40.00 Reset the iron post, 3 ft. long, 28 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

 $\frac{1}{4}$

S36 | S31

1913-22

Deposit a glass bottle at base of post.

Continue over level barren bed of dry lake.

79.69 Intersect the previously reestablished cor. of secs. 25, 30, 31 and 36, which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, and properly marked on brass cap, No accessories. Remove this iron post, and at

80.00 Reset the iron post 3 ft. long, 28 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked on brass cap,

T15S

S25 | S30

R24E ——— R25E

S36 | S31

1913-22

Deposit a glass bottle at base of post.

Land, level.

Soil, alkali clay, 2nd rate.

Timber, none.

Undergrowth, none.

N. 0° 8' E., on a true line, bet. secs. 25 and 30.

Over level barren bed of large dry lake, known as Willcox Flat.

39.57 Intersect the previously reestablished $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set and properly marked on brass cap, No accessories. Remove this iron post, and at

40.00 Reset the iron post 3 ft. long, 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

 $\frac{1}{4}$

S25 | S30

1913-22

Deposit a glass bottle at base of post.

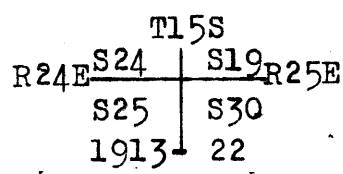
Continue over level barren bed of dry lake.

79.44 Intersect previously reestablished cor. of secs. 19, 24, 25

Resurvey of West bdy. of Township 15 South, Range 25 East. 13

Chains.

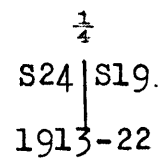
80.00 and 30, which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set and properly marked on brass cap,
 No accessories. Remove this iron post, and at
 80.00 Reset the iron post 3 ft. long, 28 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked on brass cap,



Deposit a glass bottle at base of post.
 Land, level.
 Soil, alkaline gumbo, 2nd rate.
 Timber, none.
 Undergrowth, none.

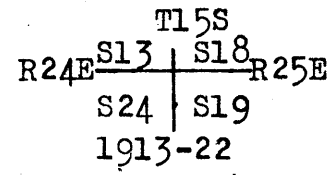
39.31 N.0°8'E., on a true line, bet. secs. 19 and 24.
 Over level barren bed of large dry lake, known as Willcox Flat.

40.00 Intersect the previously reestablished 1/4 sec. cor., which is an iron post, 1 in. in diam., projecting 12 ins. above ground, firmly set and properly marked on brass cap. No accessories. Remove this iron post, and at
 40.00 Reset the iron post, 3 ft. long, 28 ins. in the ground, for 1/4 sec. cor., marked on brass cap,



79.14 Deposit a glass bottle at base of post.
 Continue over level barren bed of dry lake.
 79.14 Intersect the previously reestablished cor. of secs. 13, 18, 19 and 24, which is an iron post, 3 ins. in diam., projecting 14 ins. above ground, firmly set and properly marked on brass cap. No accessories. Remove this iron post, and at

80.00 Reset the iron post, 3 ft. long, 28 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked on brass cap,



Deposit a glass bottle at base of post.
 Land, level.
 Soil, alkali gumbo, 2nd rate.
 Timber, none.
 Undergrowth, none.

39.02 N.0°8'E., on a true line, bet. secs. 13 and 18.
 Over level barren bed of large dry lake, known as Willcox Flat.

40.00 Intersect the previously reestablished 1/4 sec. cor., which is an iron post, 1 in. in diam., projecting 14 ins. above ground, firmly set and properly marked on brass cap, No accessories. Remove this iron post, and at
 40.00 Reset the iron post, 3 ft. long, 28 ins. in the ground for 1/4 sec. cor., marked on brass cap,

BOOK 3650

BOOK 3650

14 Resurvey of West bdy. of Township 15 South, Range 25 East.

Chains.

$$\frac{1}{2}$$

S13	S18
-----	-----

1913-22

- 78.86 Deposit a glass bottle at base of post.
Intersect the previously reestablished cor. of secs. 7, 12, 13 and 18, which is an iron post, 3 ft. long, 3 ins. in diam., projecting 12 ins. above ground, firmly set and properly marked on brass cap. No accessories.
- 80.00 Remove this iron post, and at
Reset the iron post, 3 ft. long, 28 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked on brass cap,

T12S		
R24E	S12	S 7
	S13	S18
		R25E

1913-22

Deposit a glass bottle at base of post.
Land, level.
Soil, alkaline gumbo, 2nd rate.
Timber, none.
Undergrowth, none.

- 38.76 N.0°8'E., on a true line, bet. secs. 7 and 12.
Over level barren bed of large dry lake; known as Wilcox Flat.
Intersect the previously reestablished $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. in diam., projecting 12 ins. above ground, properly marked on brass cap. No accessories. Remove this iron post, and at
- 40.00 Reset the iron post, 3 ft. long, 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

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

S12	S 7
-----	-----

1913-22

- 78.63 Deposit a glass bottle at base of post.
Continue over level barren dry lake bed.
Intersect the previously reestablished cor. of secs. 1, 6, 7 and 12, which is an iron post, 3 ins. in diam., projecting 15 ins. above ground, firmly set and properly marked on brass cap. No accessories. Remove this iron post, and at
- 80.00 Reset the iron post, 3 ft. long, 28 ins. in the ground for cor. of secs. 1, 6, 7 and 12, marked on brass cap,

T15S		
R24E	S 1	S 6
	S12	S 7
		R25E

1913-22

Deposit a glass bottle at base of post.
Land, level.
Soil, alkaline gumbo, 2nd rate.
Timber, none.
Undergrowth, none.

- 38.50 N.0°8'E., on a true line, bet. secs. 1 and 6.
Over level barren bed of large dry lake, known as Willcox Flat.
Intersect the previously reestablished $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. in diam., projecting 10 ins.

BOOK 3650

Resurvey of West bdy. of Township 15 South, Range 25 East. 15

Chains.
 38.50 Intersect the previously reestablished $\frac{1}{4}$ sec. cor., which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set and properly marked on brass cap.
 40.00 No accessories. Remove this iron post, and at Reset the iron post, 3 ft. long, 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$
 S 1 | S 6
 1913-22

78.35 Deposit a glass bottle at base of post.
 Continue over level barren bed of dry lake.
 Intersect the cor. of Ts. 14 and 15 S., Rs. 24 and 25 E., reestablished in 1913, by T.B. Matthews, U.S.S., which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set and properly marked on brass cap. No accessories.
 Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.
 Land, level.
 Soil, alkaline gumbo, 2nd rate.
 Timber, none.
 Undergrowth, none.

 Boundaries of that part of T.15 S., R.25 E., surveyed under Group No. 119, Arizona.

Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary, (3rd. Std. Par. S.)	N. 89° 59' W.	39.65	.01			39.65
	S. 89° 48' W.	39.75		.14		39.75
West boundary,	N. 0° 8' E.	478.35	478.35		1.12	
North boundary,	S. 89° 47' E.	320.06		1.21	320.06	
Subdivisional Boundary,	S. 0° 1' W.	75.96		75.96		.02
	S. 0° 14' W.	80.10		80.10		.33
	S. 89° 48' W.	80.14		.28		80.14
	S. 0° 12' W.	80.10		80.10		.28
	S. 89° 55' W.	80.00		.12		80.00
	S. 0° 13' W.	160.21		160.21		.60
	S. 89° 55' W.	40.20		.06		40.20
	S. 89° 50' W.	40.13		.12		40.13
	S. 0° 20' W.	40.05		40.05		.23
	S. 0° 26' E.	40.00		40.00	.30	
Convergency,					.20	
Totals,			478.36	478.35	321.68	321.33
			478.35		321.33	
Error in latitude,			0.01			
Error in departure,					0.35	

BOOK 3650

16 Survey of part (completion) of Subdivision lines of T.15 S., R.25 E.

Chains.

From the reestablished cor. of secs. 9, 10, 15 and 16, here-
inbefore described,
N.0°13'E., on a true line, bet, secs. 9 and 10.
Over level land, devoid of timber or undergrowth.
12.80 East edge of dry lake, brs. NE and SW. Thence across bar-
ren bed of large dry lake, known as Willcox Flat.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\begin{array}{c} \uparrow \\ \text{S } 9 \mid \text{S } 10 \\ \text{1922} \end{array}$$

Deposit a glass bottle at base of post.
Continue over level barren bed of dry lake.
77.70 Road brs. NE and SW.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the
ground for cor. of secs. 3, 4, 9 and 10, marked on brass
cap,

$$\begin{array}{c} \text{T15S} \mid \text{R25E} \\ \text{S } 4 \mid \text{S } 3 \\ \hline \text{S } 9 \mid \text{S } 10 \\ \text{1922} \end{array}$$

Deposit a glass bottle at base of post.
Land, level. Barren bed of dry lake.
Soil, alkaline clay, 2nd rate.
Timber, none.
Undergrowth, none.

40.00 N.89°44'E., on a random line, bet. secs. 3 and 10.
Set temp. $\frac{1}{4}$ sec. cor.
80.16 Fall 7 lks. S. of the cor. of secs. 2, 3, 10 and 11.
Thence,
S.89°41'W., on a true line, bet. secs. 3 and 10.
Over level land, devoid of timber and undergrowth.
.60 Road, brs. NW and S.
17.00 Edge of dry lake, brs. NE and SW. Thence across barren
bed of large dry lake, known as Willcox Flat.
40.08 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\begin{array}{c} \frac{1}{4} \text{ S. } 3 \\ \text{S } 10 \\ \text{1922} \end{array}$$

Deposit a tin can and cow's horn at base of post.
Continue over level barren bed of dry lake.
78.36 Road, brs. NE and SW.
80.16 The cor. of secs. 3, 4, 9 and 10.
Land, level.
Soil, alkaline gumbo, 2nd rate.
Timber, none.
Undergrowth, none.

40.00 N.0°1'E., on a true line, bet. secs. 3 and 4, toward flag
on the objective sec. cor., which is visible on such
bearing.
Over level barren bed of large dry lake, known as Willcox
Flat.
Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

Survey of part (completion) of Subdivision lines of T.15 S., R.25 E., 17

Chains.

$\frac{1}{4}$
 S 4 | S 3

1922

76.68 Deposit a glass bottle at base of post.
 Continue over level barren bed of dry lake.
 Intersect the cor. of secs. 3, 4, 33 and 34, on N. bdy. of Tp.,
 reestablished in 1913 by T. B. Matthews, U. S. S., which is
 an iron post, 3 ins. in diam., projecting 12 ins. above
 ground, firmly set, and properly marked on brass cap.
 No accessories. Dig pits, 18x18x12 ins., one each NE., SE.,
 SW. and NW. of cor., 3 ft. dist.
 Land, level.
 Soil, alkaline gumbo, 2nd rate.
 Timber, none.
 Undergrowth, none.

0.05 From the cor. of secs. 16, 17, 20 and 21, hereinbefore de-
 scribed,
 N. 0° 13' E., on a true line, bet. secs. 16 and 17.
 Over level land, devoid of timber or undergrowth.
 Fence, brs. E. and W. Fence cor. brs. E. 28 lks. dist., from
 which fences extend E. W. and N. Thence parallel to fence
 about 25 lks. E. of line.
 18.00 Fence cor. brs. E. 25 lks. dist., from which fence extends NE.
 and S.
 20.00 East edge of dry lake, brs. NE. and SW. Thence across level
 barren bed of large dry lake, known as Willcox Flat.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the
 ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

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

1922

43.20 Deposit a cow's horn at base of post.
 Continue over level barren bed of dry lake.
 Road, brs. NE. and SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the
 ground for cor. of secs. 8, 9, 16 and 17, marked on brass
 cap,

T15S | R25E
 S 8 | S 9

S17 | S16

1922

Deposit a tin can at base of post.
 Land, level. Soil, alkaline clay, 2nd rate.
 Timber, none. Undergrowth, none.

40.00 N. 89° 55' E., on a random line, bet. secs. 9 and 16.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Fall 10 lks. S. of the reestablished cor. of secs. 9, 10, 15 and
 16, hereinbefore described.
 Thence,
 S. 89° 51' W., on a true line, bet. secs. 9 and 16.
 Over level land, devoid of timber or undergrowth, parallel
 to fence 25 lks. S. of line.
 19.00 Fence cor. brs. S. 25 lks. dist., from which fence extends E. & SW.
 25.00 East edge of dry lake, brs. NE. and SW. Thence across level
 barren bed of large dry lake, known as Willcox Flat.
 39.99 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 9
 S 16

1922

52.50 Deposit a tin can at base of post.
 Continue over level barren bed of dry lake.
 Road, brs. NE. and SW.
 79.98 The cor. of secs. 8, 9, 16 and 17.
 Land, level. Soil, alkaline clay silt, 2nd rate.
 Timber, none. Undergrowth, none.

N. 0° 13' E., on a true line, bet. secs. 8 and 9.
 Over level barren bed of large dry lake, known as Willcox

BOOK 3650

18 Survey of part (completion) of Subdivision lines of T.15 S. R. 25 E.
Chains.

- 40.00 Flat.
Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 8 | \text{S } 9 \\ 1922 \end{array}$$
 Deposit a tin can at base of post.
 Continue over level barren dry lake bed.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked on brass cap,

$$\begin{array}{c} \text{T15S } | \text{R25E} \\ \text{S } 5 | \text{S } 4 \\ \text{S } 8 | \text{S } 9 \\ 1922 \end{array}$$
 Deposit a tin can at base of post.
 Land, level. Soil, alkaline clay, 2nd rate.
 Timber, none. Undergrowth, none.
-
- 40.00 N. 89° 51' E., on a random line, bet. secs. 4 and 9.
Set temp. $\frac{1}{4}$ sec. cor.
79.94 Fall 7 lks. S. of the cor. of secs. 3, 4, 9 and 10.
Thence
S. 89° 48' W., on a true line, bet. secs. 4 and 9.
Over level barren land, in bed of large dry lake, known as Willcox Flat.
- 39.97 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\begin{array}{c} \frac{1}{4} \text{ S } 4 \\ \text{S } 9 \\ 1922 \end{array}$$
 Deposit a glass bottle at base of post.
 Continue over level barren bed of dry lake.
- 79.94 The cor. of secs. 4, 5, 8 and 9.
Land, level.
Soil, alkaline clay, 2nd rate.
Timber, none. Undergrowth, none.
-
- 40.00 N. 0° 5' W., on a true line, bet. secs. 4 and 5, toward flag, on objective sec. cor., which is visible on such bearing.
Over level barren bed of large dry lake, known as Willcox Flat.
Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 5 | \text{S } 4 \\ 1922 \end{array}$$
 Deposit a tin can at base of post. Continue over level barren bed of dry lake.
- 77.20 Intersect the cor. of secs. 4, 5, 32 and 33, on N. bdy. of Tp., reestablished in 1913 by T. B. Matthews, U. S. S., which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set and properly marked on brass cap; faint traces of pits. Redig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of cor., 3 ft. dist.
 Land, level.
 Soil, alkaline clay, 2nd rate.
 Timber, none.
 Undergrowth, none.
-

BOOK 3650

Survey of part (completion) of Subdivision lines of T.15 S. R.25 E. 19

Chains.

From the reestablished cor. of secs. 29, 30, 31 and 32, herein-
before described,
S. 89° 55' W., on a random line, bet. secs. 30 and 31.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.17 Intersect the reestablished cor. of secs. 25, 30, 31 and 36,
on W. bdy. of Tp., hereinbefore described,
Thence,
N. 89° 55' E., on a true line, bet. secs. 30 and 31.
Over level barren land in bed of large dry lake, known
as Willcox Flat.
39.17 (40.00 chs. westing from cor. of secs. 29, 30, 31 and 32),
Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in
the ground for $\frac{1}{4}$ sec. cor. of sec. 30 only, marked on
brass cap,

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

1922

40.00 Deposit a glass bottle at base of post.
Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in
the ground for $\frac{1}{4}$ sec. cor. of sec. 31 only, marked on
brass cap,

 $\frac{1}{4}$ S 31

1922

47.70 Deposit a glass bottle at base of post.
58.00 Continue over level barren bed of dry lake.
Road brs. N. and S.
East edge of dry lake bed, brs. N. and S. Leave dry lake.
Continue over level land.
79.17 The cor. of secs. 29, 30, 31 and 32.
Land, level.
Soil, alkaline clay, 2nd rate.
Timber, none.
Undergrowth, none.

32.40 N. 0° 12' E., bet. secs. 29 and 30.
Over level land, devoid of timber or undergrowth.
Wash, 10 lks. wide, 3 ft. deep, course SW.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

 $\frac{1}{4}$

S30 | S29

1922

54.00 Deposit a granite stone, 3x3x2 ins., marked with a cross
(x) at base of post.
East edge of dry lake bed, bearing NE. and SW. Thence
across level barren bed of large dry lake, known as
Willcox Flat.
67.80 Road, brs. NE. and SW.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in
the ground for cor. of secs. 19, 20, 29 and 30, marked
on brass cap,

T15S | R25E

S19 | S20

S30 | S29

1922

Deposit a bone at base of post.
Land, level.
Soil, alkaline clay, 2nd rate,
Timber, none.
Undergrowth, none.

BOOK 3650

20 Survey of part(completion) of Subdivision lines of T.15 S., R.25 E.

Chains.

- 40.00 N.89°52'E., on random line, bet. secs.20 and 29.
Set temp. $\frac{1}{4}$ sec.cor.
- 80.32 Fall 5 lks.S. of the reestablished cor.of secs.20,21,28
and 29, hereinbefore described.
Thence,
S.89°50'W., on a true line, bet. secs. 20 and 29.
Over level land, devoid of timber or undergrowth parallel
to fence 35 lks.N.of line.
- 40.16 Set an iron post, 3 ft.long, 1 in. in diam., 28 ins. in
the ground for $\frac{1}{4}$ sec.cor., marked on brass cap,
- $\frac{1}{4}$ S 20
S 29
1922
- from which,
Fence cor., brs.N.66 $\frac{1}{2}$ °E.,106 lks.dist.,from which
fences extend E.and N.
Deposit a glass bottle at base of post.
- 65.00 East edge of dry lake, brs.N.and S. Thence over level
barren bed of large dry lake, known as Willcox Flat.
- 69.00 Road brs.NE and SW.
- 80.32 The cor.of secs.19,20, 29 and 30.
Land,level.
Soil,alkaline silt, 2nd rate.
Timber, none.
Undergrowth, none.
-
- S.89°53'W., on a true line, bet. secs.19 and 30,toward flag
on objective sec.cor., which is visible on such bear-
ing.
- 40.00 Over level barren land,in bed of large dry lake,known
as Willcox Flat.
Set an iron post, 3 ft.long, 1 in. in diam., 28 ins. in
the ground, for $\frac{1}{4}$ sec.cor.,marked on brass cap,
- $\frac{1}{4}$ S 19
S 30
1922
- Deposit a glass bottle at base of post.
Continue over level barren bed of large dry lake,known
as Willcox Flat.
- 79.28 Intersect the reestablished cor.of secs. 19,24, 25 and
30 on W. bdy. of Tp., hereinbefore described.
Land, level.
Soil, alkaline clay, 2nd rate.
Timber, none.
Undergrowth, none.
-
- N.0°12'E., bet. secs. 19 and 20.
Over level barren land, in bed of large dry lake,known
as Willcox Flat.
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 28 ins.in
the ground for $\frac{1}{4}$ sec.cor., marked on brass cap,
- $\frac{1}{4}$
S19 | S20
1922
- Deposit a tin can at base of post.
Continue over level barren bed of dry lake.
- 80.00 Set an iron post, 3 ft.long, 2 ins.in diam.,30 ins.in
the ground for cor.of secs.17,18,19 and 20, marked on
brass cap.

Survey of part(completion) of Subdivision lines of T.15 S. R.25 E. 21

Chains.

T15S	R25E
S18	S17
S19	S20
1922	

Deposit a bone at base of post.
 Land, level.
 Soil, alkaline clay, 2nd rate.
 Timber, none.
 Undergrowth, none.

N. 89° 47' E., on a random line, bet. secs. 17 and 20, toward flag on the objective sec. cor., which is visible on such bearing.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.34 Intersect the cor. of secs. 16, 17, 20 and 21, hereinbefore described.
- Thence,
 S. 89° 47' W., on a true line, bet. secs. 17 and 20.
 Over level land, devoid of timber or undergrowth, parallel to fence, 5 lks. N. of the line.
- 18.00 Fence cor. brs. N. 5 lks. dist., from which fence extends SW. and E.
- 18.20 East edge of dry lake, brs. N. and S. Thence across level barren bed of large dry lake, known as Willcox Flat.
- 30.70 Road, brs. NE. and SW.
- 40.17 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 17
S 20
1922

- 80.34 Deposit a bone at base of post.
 Continue over level barren bed of dry lake.
 The cor. of secs. 17, 18, 19 and 20.
 Land, level.
 Soil, alkaline clay, 2nd rate.
 Timber, none.
 Undergrowth, none.

S. 89° 50' W., on a true line, bet. secs. 18 and 19, toward flag on the objective sec. cor., which is visible on such bearing.
 Over level barren land, in bed of large dry lake, known as Willcox Flat.

- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 18
S 19
1922

- 79.33 Deposit a glass bottle at base of post.
 Continue over level barren land, in bed of dry lake.
 Intersect the reestablished cor. of secs. 13, 18, 19 and 24, on W. bdy. of Tp., hereinbefore described.
 Land, level.
 Soil, alkaline clay, 2nd rate.
 Timber, none.
 Undergrowth, none.

- 40.00 N. 0° 12' E., bet. secs. 17 and 18.
 Over level barren land, in bed of large dry lake, known as Willcox Flat.
 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

S18	S17
1922	

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22 Survey of part (completion) of Subdivision lines of T.15 S., R.25 E.

Chains.

80.00 Deposit a bone at base of post.
Continue over level barren land in bed of large dry lake.
Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground for cor. of secs. 7, 8, 17 and 18, marked on brass cap,

T15S	R25E
S 7	S 8
S18	S17
1922	

Deposit a glass bottle at base of post.
Land, level.
Soil, alkaline clay, 2nd rate.
Timber, none.
Undergrowth, none.

40.00 N. 89° 46' E., on a random line, bet. secs. 8 and 17, toward
80.34 flag on objective sec. cor., which is visible on such bearing.

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

Intersect the cor. of secs. 8, 9, 16 and 17.

Thence,

S. 89° 46' W., on a true line, bet. secs. 8 and 17.

Over level barren land, in bed of large dry lake, known as Willcox Flat.

40.17 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S	8
S 17	
1922	

80.34 Deposit a bone at base of post.
Continue over level barren bed of dry lake.
The cor. of secs. 7, 8, 17 and 18.
Land, level.
Soil, alkaline clay, 2nd rate.
Timber, none.
Undergrowth, none.

S. 89° 50' W. on a true line, bet. secs. 7 and 18, toward flag on objective sec. cor., which is visible on such bearing.

Over level barren land, in bed of large dry lake, known as Willcox Flat.

40.00 Set an iron post, 3 ft. long; 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S	7
S 18	
1922	

79.44 Deposit a glass bottle at base of post.
Continue over level barren bed of dry lake.
Intersect the reestablished cor. of secs. 7, 12, 13 and 18, on W. bdy. of Tp., hereinbefore described.
Land, level.
Soil, alkaline clay, 2nd rate.
Timber, none.
Undergrowth, none.

N. 0° 12' E., bet. secs. 7 and 8.

Over level barren land in bed of large dry lake, known as Willcox Flat.

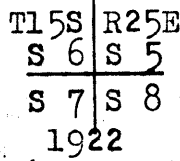
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S	7	S 8
1922		

Survey of part(completion)of Subdivision lines of T.15 S.,R.23 E. 23

Chains.

80.00 Deposit a glass bottle at base of post.
Continue over level barren land in dry lakebed.
Set an iron post, 3 ft.long, 2 ins.in diam., 28 ins. in the ground for cor.of secs.5,6,7 and 8, marked on brass cap,



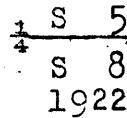
Deposit a glass bottle at base of post.
Land, level.
Soil, alkaline clay, 2nd rate.
Timber, none.
Undergrowth, none.

40.00 N.89°45'E., on a random line, bet. secs.5 and 8, toward flag on the objective sec.cor., which is visible on such bearing.

80.32 Set temp. 1/4 sec.cor.
Intersect the cor.of secs.4,5,8 and 9.

Thence,
S.89°45'W., on a true line, bet. secs.5 and 8.
Over level barren land, in bed of large dry lake, known as Willcox Flat.

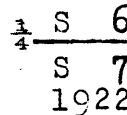
40.16 Set an iron post, 3 ft.long, 1 in.in diam., 28 ins.in the ground, for 1/4 sec.cor., marked on brass cap,



80.32 Deposit a granite saucer at base of post.
Continue over level barren bed of dry lake.
The cor.of secs.5,6,7 and 8.
Land, level.
Soil, alkaline clay, 2nd rate,
Timber, none.
Undergrowth, none.

40.00 S.89°51'W., on a true line, bet. secs.6 and 7, toward flag on the objective sec.cor., which is visible on such bearing.

Over level barren land, in bed of large dry lake, known as Willcox Flat.
Set an iron post, 3 ft.long, 1 in.in diam., 28 ins.in the ground, for 1/4 sec.cor., marked on brass cap,



79.55 Deposit a glass bottle at base of post.
Continue over level barren land in bed of dry lake.
Intersect the reestablished cor.of secs.1,6,7 and 12, on W.bdy.of Tp., hereinbefore described.
Land, level.
Soil, alkaline clay, 2nd rate.
Timber, none.
Undergrowth, none.

40.00 N.0°4'E., on a true line, bet. secs.5 and 6, toward flag on the objective sec.cor., which is visible on such bearing.

Over level barren land, in bed of large dry lake, known as Willcox Flat.
Set an iron post, 3 ft.long, 1 in.in diam., 28 ins.in the

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24 Survey of part(completion)of Subdivision lines of T.15 S. R.25E.

Chains.

ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,
$$\begin{array}{c} \frac{1}{4} \\ | \\ s\ 6\ | \ s\ 5 \\ | \\ 1922 \end{array}$$

77.88

Deposit a glass bottle at base of post.

Continue over level barren bed of dry lake.

Intersect the cor. of secs. 5, 6, 31 and 32 on N.bdy. of Tp., reestablished by T.B. Matthews in 1913, which is an iron post, 3 ins, in diam., projecting 12 ins. above ground, firmly set and properly marked on brass cap, Faint traces of pits. Dig pits 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, level.

Soil, alkaline clay, 2nd rate.

Timber, none.

Undergrowth, none.

The continued satisfactory adjustment of the solar apparatus throughout the survey of this township is indicated from field tests, as described in Book "D" of this group.

GENERAL DESCRIPTION.

The portion of T, 15 S., R. 25 E., surveyed under this group is all level land, or nearly level. Most of the area is an ancient lake bed, known as Willcox Flat, which is covered with water during the wet seasons of the year, although there was no water on the land at the time of survey. Most of the soil is so strongly alkaline that it will produce no vegetation, altho. a portion of secs. 10, 16, 20, 29 and 31 which is situated along the east side of the lake bed affords some grass. There are no settlers on the land, and the only improvements are fences enclosing pastures E. of the dry lake bed.

No evidence of mineral was found.

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CERTIFICATE OF UNITED STATES SURVEYOR.

I, F. W. Chapin, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 119, Arizona, bearing date of the 16th day of December, 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 Third Standard Parallel South, in Range 25 East, resurveyed all those parts or portions of the West boundary and Subdivision lines of Township 15 South, Range 25 East, and surveyed all those parts or portions of the Subdivision lines of Township 15 South, Range 25 East, 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 ^{said retracement, resurvey and survey} as having been executed by me, and under my direction; and that all the corners of ^{said retracement, resurvey and survey} have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 119, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ^{said retracement, resurvey and survey}.

Place Phoenix, ArizonaDate June 30, 1923.

F. W. Chapin
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, May 14, 1925.

The foregoing field notes of the ~~retracement~~ of the Third Standard Parallel South, thru. part of Range 25 East; of the Resurvey of the West boundary, and part of the Subdivision lines of T. 15 S., R. 25 E., and of the Survey of part (completion) of the Subdivision lines of TOWNSHIP 15 SOUTH, RANGE 25 EAST, of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by F. W. Chapin, U. S. Surveyor, under his special instructions dated December 16, 1921, for Group 119, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~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.