

3661

Book "D"

BOOK 3661 FIELD NOTES

RE-
OF THE SURVEY OF THE

Third Standard Parallel North, thru part of Range 5 East, and

Part of Subdivision lines, and

SURVEY OF PART OF THE

West boundary, and

Subdivision lines,

ALL OF TOWNSHIP 13 NORTH, RANGE 5 EAST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Benjamin J. Kinsey, U.S.T.

and

Ty White, U. S. T.

In the capacity of U. S. Surveyors, under Special Instructions dated May 26, 1922, issued by the United States Surveyor General to govern surveys included in Group No 120, Arizona, which were approved by the Commissioner of the General Land Office, June 23, 1922, and Assignment Instructions dated May 26, 1923.

Resurvey and Survey commenced August 9, 1923

Resurvey and Survey completed August 31, 1923.

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1A

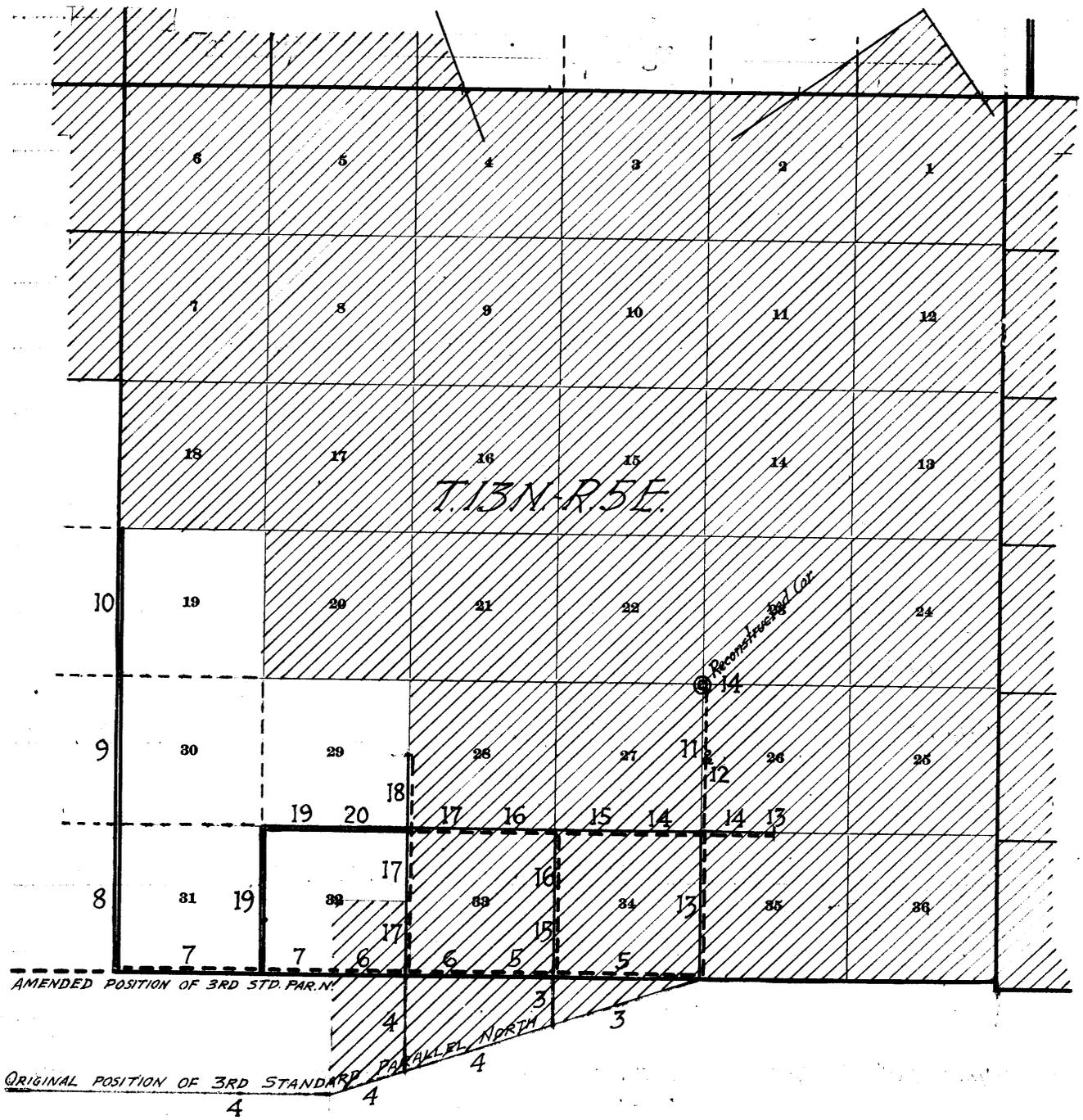
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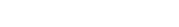
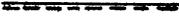
Book "D"

Group 120 ~ Arizona

BOOK 3661

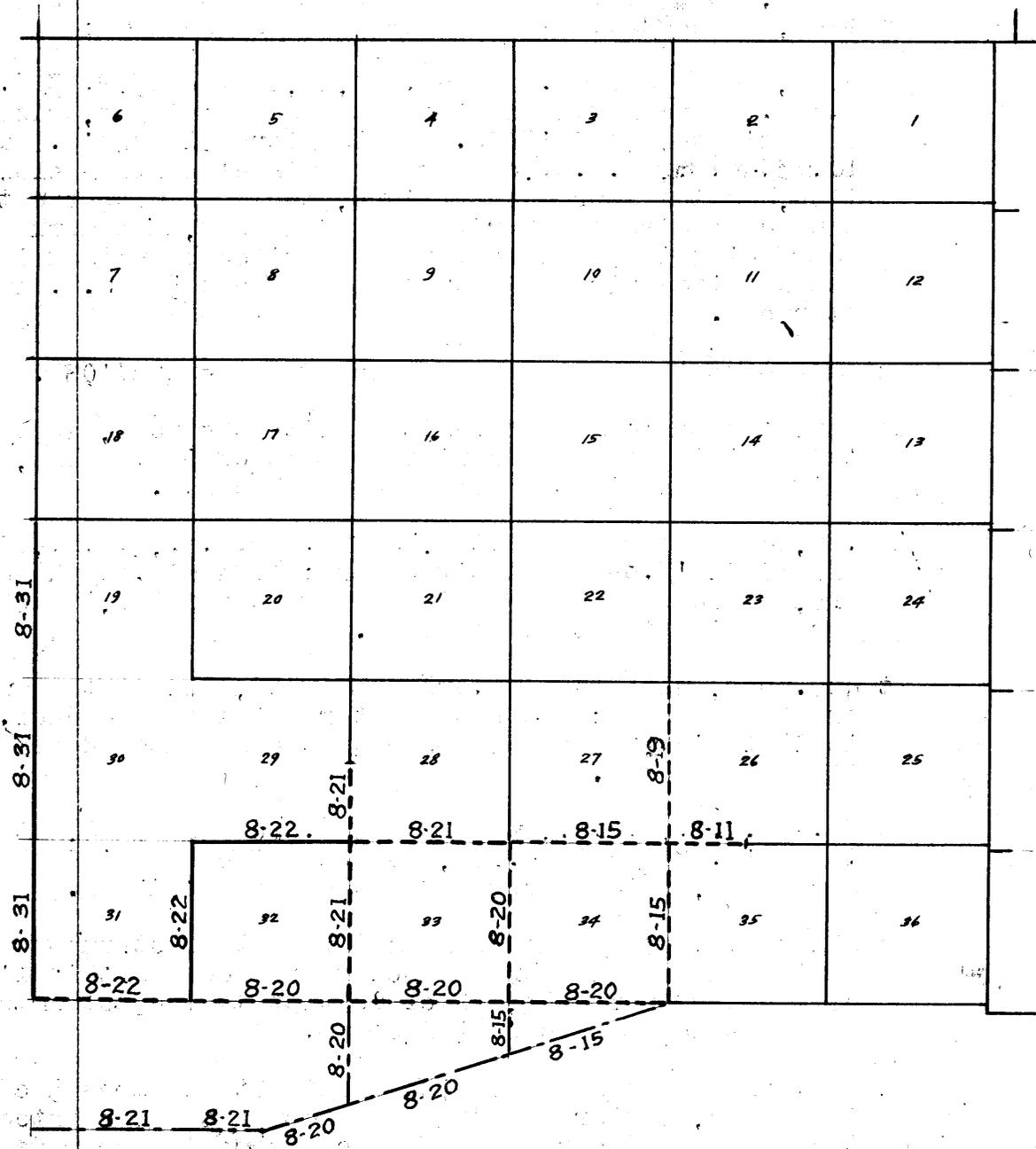
INDEX DIAGRAM.



-  Lines surveyed under this group.
-  Lines resurveyed under this group.
-  Accepted surveys.
-  Unsurveyed.
-  Ties from reestablished cors. to reconstructed original cors.
-  Lines of accepted surveys eliminated by resurvey.
-  Areas surveyed as per accepted plats on file.

(B)

Book "D"
 Group 120 Arizona
 Township 13 North, Range 5 East
 DATE DIAGRAM
 1923



- Surveyed by B. J. Kinsey, U.S.T. on dates shown thereon.
- - - - - Resurveyed by B. J. Kinsey, U.S.T. on dates shown thereon.
- Surveyed by Ty White, U.S.T. on dates shown thereon.
- - - - - Resurveyed by Ty White, U.S.T. on dates shown thereon.
- - - - - Retraced for elimination by B. J. Kinsey, U.S.T. on dates shown thereon.
- - - - - Retraced for elimination by Ty White, U.S.T. on dates shown thereon.
- - - - - Retraced for reestablishment of cor. by B. J. Kinsey, U.S.T. on date shown thereon.

The resurveys and surveys hereinafter described were executed on dates shown on diagram on page 1 hereof, by Benjamin J. Kinsey and Ty White, U.S. Transitmen, using respectively, Buff Rocky Mountain Favorite solar transit No. 9940, with U-shaped standards, $4\frac{1}{2}$ in. horizontal circle, 4 in. vertical circle, and improved Smith solar attachment; and Young and Sons transit No. 8540, with full vertical circle and Smith solar attachment. Unless otherwise specified, all azimuth determinations are accomplished with the solar attachments.

Aug. 7, 1923: We examine the adjustments of each instrument and find no errors; then, to test the solar apparatus by comparing its indications during the a.m. and p.m. hours, with a meridian established by Polaris observation, proceed with each instrument as follows:

At camp, near the cor. of secs. 10, 11, 14 and 15, T. 13 N., R. 5 E., Gila and Salt River Base and Meridian, Arizona, in latitude, $34^{\circ}41'34''$ N. and longitude, $112^{\circ}48'$ W., at 10h235m.p.m., l.m.t., observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined by a tack in a stake driven firmly in the ground about 5 chs. N. of instrument.

Azimuth of Polaris at eastern elongation = $1^{\circ}21'03''$.

Lay off the azimuth of Polaris $1^{\circ}21'$ to the west, and mark the meridian thus determined by a tack in a stake, driven firmly in the ground about 5 chs. N.

Aug. 7, 1923: At same station, at 9h.00m.a.m., l.m.t., set off $34^{\circ}41\frac{1}{2}'$ N. on the latitude arc; $16^{\circ}18\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resultant reading of the decl. arc is $16^{\circ}16\frac{1}{2}'$ N., which agrees with the computed declination of the sun.

At 3h.00m.p.m., l.m.t., with the lat. arc unchanged, set off $16^{\circ}14\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

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

All measurements are made with Lufkin steel tapes 5 chs. in length, compared with a Chesterman standard steel tape, and found correct. The measurements are made on the slope, the vertical angles determined with clinometer and the clope measurements properly reduced to true horizontal distances.

Chains.

The 3rd Standard Parallel North was surveyed thru Range 5 East by C.B.Foster, U.S.D.S. in 1873, who also in same year surveyed parts of the E., W. and N. boundaries, and part of the Subdivision lines of T.13 N., R. 5 E. In 1916, Wm. H.Richards, Jr., U.S.S., resurveyed the Parallel S. of secs.35 and 36, T.13 N., R.5 E., and retraced the Parallel S. of secs.33 and 34, and the E. 1/2 of S. bdy. of sec.32 of said Township.

No other retracement or resurvey of the Parallel in R.5 E. is of record.

The portion of the line retraced by Richards in 1916 was found to be extremely defective in alignment (S.72 3/4° W., approx.), and the standard cor. of secs.33 and 34 was the only intermediate cor. monument found. The land on the N. of this portion of the Parallel is embraced within accepted surveys, which would ordinarily prevent rectification of the alignment, but as no valid entries will be involved, make a resurvey of the Parallel due West from the standard cor. of secs.34 and 35, to point of intersection with random West bdy. of T. 13 N., R. 5 E., surveyed due S. as hereinafter described.

The std.cor. of secs. 33 and 34, is reestablished at the point of intersection of the amended Parallel with the meridional sec.line bet. the original std.cor. of same sections, and the original 1/4 sec.cor. of same sections.

The standard cor. of secs.32 and 33 is reestablished at the point of intersection of the amended Parallel with the meridional sec.line bet. point for standard cor. of same secs. on old parallel determined by proportionate measurement, and the point for reestablishment of cor. of secs. 28, 29, 32 and 33 also determined by proportionate measurement.

The standard 1/4 sec.cors. of secs. 33 and 34 are reestablished on the amended Parallel at midpoint positions, and measuring west on said line from the reestablished standard cor. of secs.32 and 33, the standard 1/4 sec. and sec.cors. are reestablished alternately at 40.00 ch. intervals, placing the deficiency in measurement in the W. 1/2 of S. bdy. of sec.31,

Retracement for Resurvey.

From original standard cor. of secs. 34 and 35, hereinafter described,

S.72°15'W., (previous retracement record course) on random line on old S. bdy. of sec.34.

42.31 Diligent search in this vicinity fails to reveal any trace of original standard 1/4 sec.cor. of sec.34.

Continue line and measurement.

84.73 Intersect the original std.cor. of secs. 33 and 34, which is a stake in a mound of stone,

True course and dist. of old S. bdy. of sec.34 are therefore S.72° 15'W., 84.73 chs.

Thence,
North, on random line,

25.83 Point theoretically due west from std.cor. of secs.34 and 35.

Set temp.std.cor. of secs.33 and 34.

Continue line and measurement.

61.81 Fall 66 lks.E. of the original 1/4 sec.cor. of secs. 33 and 34, hereinafter described.

The true course and dist. of the S. 1/2 of old sec.line, bet. secs.33 and 34 are therefore, N.0°37'W., 61.81 chs.

The temp.std.cor. of secs. 33 and 34 is therefore 28 lks. E. of the point of intersection of the old sec.line, with the 3rd Std.Par.N, in its amended position.

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4 Resurvey of 3rd Std. Parallel North, thru, part of Range 5 East.

Chains.

- From original std. cor. of secs. 33 and 34,
S. $73^{\circ}8'W.$ (previous retracement record course) on random line.
- 41.62 Diligent search in this vicinity fails to reveal any trace of original std. $\frac{1}{4}$ sec. cor. of sec. 33.
Continue line and measurement.
- 83.24 Diligent search in this vicinity fails to reveal any trace of original std. cor. of secs. 32 and 33.
Continue line and measurement.
- 125.16 Intersect the original std. $\frac{1}{4}$ sec. cor. of sec. 32, which is a granite stone 10x10x6 ins. above ground, marked " $\frac{1}{4}$ " on N. face, firmly set, and witnessed by a mound of stone N. of cor. No bearing trees.
True course and dist. of the old Parallel S. of sec. 33, and E. $\frac{1}{4}$ of sec. 32, are therefore S. $73^{\circ}8'W.$, 125.16 chs., which, to maintain original proportion bet. cor. intervals gives three intervals of 41.72 chs. each.
From original std. $\frac{1}{4}$ sec. cor. of sec. 32,
N. $73^{\circ}8'E.$, on true line, on E. $\frac{1}{4}$ of old S. bdy. of sec. 32.
- 41.72 (Proportional dist.) Set temp. std. cor. of secs. 32 and 33 to be used as a basis for the reestablishment of the standard cor. of same secs. on the Standard Parallel in its amended position.
Thence,
North, on random line.
- 50.07 Point theoretically due west from standard cor. of secs. 34 and 35.
Set temp. standard cor. of secs. 32 and 33.
Continue line and measurement.
- 129.96 Fall 446 lks. E. of the cor. of secs. 28, 29, 32 and 33, re-established by proportion, as hereinafter described.
True course and dist. of the old sec. line bet. secs. 32 and 33 are therefore, N. $1^{\circ}58'W.$, 130.04 chs.
The temp. std. cor. of secs. 32 and 33 is therefore, 1.72 chs. E. of the point of intersection of the old sec. line with the 3rd Standard Parallel North in its amended position.
-
- Change the original std. $\frac{1}{4}$ sec. cor. of sec. 32 to a witness point by marking "WP" on N. face of the stone.
Thence,
S. $73^{\circ}8'W.$, on random line.
- 40.00 Diligent search in this vicinity fails to reveal any trace of the original std. cor. of secs. 31 and 32; therefore, measure North 11.61 chs.; thence West, 1.72 chs. to a point 40.00 chs. W. from the original std. $\frac{1}{4}$ sec. cor. of sec. 32, and again make diligent search for the std. cor. of secs. 31 and 32. Finding no trace of said std. sec. cor., retrace W. 80.00 chs., searching diligently for the original std. $\frac{1}{4}$ sec. cor. of sec. 31, and the original std. cor. of Ts. 13 N., Rs. 4 and 5 E., without finding a trace of either cor. monument.
From a point 120.00 chs. W. from the original std. $\frac{1}{4}$ sec. cor. of sec. 32, measure S. 34.81 chs.; thence East, 5.16 chs. to a point 120.00 chs. S. $73^{\circ}8'W.$ from same std. $\frac{1}{4}$ sec. cor. and again make diligent search for the original std. cor. of Ts. 13 N., Rs. 4 and 5 E., but fail to find any trace of same.

RESURVEY.

The original std. cor. of secs. 34 and 35 is a granite stone 9x8x6 ins. above ground, firmly set, marked with 2 notches on E. face, 4 notches on W. face, and SC on N. face, and witnessed by scattered remains of a mound of stone, N. of cor. No bearing trees. Reconstruct this cor. monument as follows:

Resurvey of 3rd Standard Parallel North, thru. part of Range 5 East. 5
chains.

Alongside old stone, set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for std. cor. of secs. 34 and 35, with brass cap, marked

S C
S34 | S35

1923

No bearing trees available. Rebuild the mound of stone, 3 ft. base, 2 ft. high, N. of cor.
Thence,

West, on true line, on amended S. bdy. of sec. 34.
Over mountainous land, thru. scattering undergrowth.
Descend 51 ft., over NW. slope.

4.50 Wash, 30 lks. wide, course NE.
Ascend 162 ft., over E. slope.

16.50 Spur, slopes NE. Enter rolling land.
Descend 28 ft., over NW. slope.

25.50 Head of draw, course NE.

Ascend 40 ft., over E. slope, to

30.00 Rim of mesa, brs. NE and SW. Thence over nearly level land on mesa.

Ascend slightly over NE. slope, to

40.49 (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished std. $\frac{1}{4}$ sec. cor. of sec. 34, with brass cap, marked

S C
 $\frac{1}{4}$ S 34

1923

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
Continue over nearly level land on mesa.

63.50 Road, brs. NE. and SW.

71.70 Arizona Power Company's power transmission line, brs. NW. and SE.

72.00m Rim of mesa, brs. NE. and SW. Leave mesa. Enter rolling land.

Descend 61 ft., over NW. slope.

73.50 Power transmission line, brs. NW. and SE.

75.00 Wash, 50 lks. wide, course NE.

Ascend 61 ft., over E. slope, to

80.00 Top of ascent, brs. N. and S. Thence over nearly level land.

80.70 Temp. cor. of secs. 33 and 34, set at 25.83 chs. N. of the original std. cor. of same secs.; as hereinbefore described.

The true bearing of the old sec. line is N. 0° 37' W.; therefore said line intersects the amended Parallel at

80.98 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for reestablished std. cor. of secs. 33 and 34, with brass cap, marked

S C
T13N R 5 E
S33 | S34

1923

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

Land, mountainous, rolling and nearly level.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, cactus, catclaw and scrub oak.

West, on true line, on amended S. bdy. of sec. 33.

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

11.00 Top of bank brs. NE. and SW. Enter rolling land.

BOOK 3661

6 Resurvey of 3rd. Std. Parallel North, thru. part of Range 5 East.

Chains.

- Descend 27 ft., over NW. slope.
 12.50 Wash, 20 lks. wide, course NE.
 Ascend 220 ft., over E. slope, to
 40.64 (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 6
 ins. in the ground to bed rock; deposit a stone, marked
 with a cross (x) at base of post, and raise a mound of
 stone around post, for reestablished std. $\frac{1}{4}$ sec. cor. of
 sec. 33, with brass cap, marked

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

1923

No bearing trees available.
 Continue over rolling land, thru. very scattering timber
 and dense undergrowth.

- Ascend 193 ft., over E. slope.
 77.30 Spur, slopes NE.
 Descend 42 ft., over NW. slope to sec. cor.
 79.57 Temp. cor. of secs. 33 and 34 set at 50.07 chs. N. of the
 point for std. cor. of same secs. on the old Parallel, as
 hereinbefore described. The true bearing of the old
 sec. line is N. 1° 58' W.; therefore, said line intersects
 the amended Parallel at
 81.29 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the
 ground, for reestablished std. cor. of secs. 32 and 33,
 with brass cap, marked

S C
 T13N R 5E
 S32 S33

1923

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

Land, nearly level and rolling.

Soil, rocky, 4th rate.

Timber, cedar.

Undergrowth, cactus, catclaw and buck brush and scrub oak.

 West, on true line, on amended S. bdy. of sec, 32.

Over rolling land, thru. very scattering timber and dense
 undergrowth.

- Descend 17 ft.; over NW. slope.
 1.70 Draw, course NE.
 Ascend 123 ft., over NE. slope, to
 20.00 Wash, 50 lks. wide, 10 ft. deep, course NE.
 Ascend 138 ft., over E. slope.
 36.00 Spur, slopes NE.
 Descend 16 ft., over NW. slope.
 38.30 Wash, 50 lks. wide, course NE. Enter mountainous land.
 Ascend 43 ft., over SE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
 the ground, to bed rock, supported in a mound of stone
 for reestablished std. $\frac{1}{4}$ sec. cor. of sec. 32 with brass
 cap, marked

S C
 $\frac{1}{4}$ S 32

1923

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

Continue over mountainous land, thru. very scattering tim-
 ber and undergrowth.

- Ascend 320 ft., over SE. slope.
 61.50 Ridge, brs. N. 80° E. and S. 80° W.
 Ascend 140 ft., over N. slope, to

BOOK 3661

Resurvey of 3rd Std. Parallel North, thru. part of Range 5 East. 7

Chains.

- 65.20 Descend 22 ft., over NW. slope.
 71.20 Head of gulch, course NE.
 Ascend 210 ft., over E. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
 the ground, for reestablished std. cor. of secs. 31 and
 32, with brass cap, marked

S	C
T13N	R5 E
S31	S32

1923

No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, N. of cor.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper.
 Undergrowth, cactus, catclaw, buck brush and scrub oak.

- West, on true line, on amended S. bdy. of sec. 31.
 Over mountainous land, thru. scattering timber and dense
 undergrowth.
 Ascend 369 ft., over steep E. slope.
 10.00 Point of spur, slopes NE.
 Descend 10 ft., over NW. slope.
 10.50 Head of gulch, course NE.
 Ascend 504 ft., over steep E. and NE. slopes to $\frac{1}{4}$ sec. cor.
 16.20 Foot of limestone cliff, 30 ft. high, brs. NW. and S., facing
 E.
 17.00 Top of same cliff, brs. NW. and S.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for reestablished std. $\frac{1}{4}$ sec. cor. of sec. 31,
 with brass cap, marked

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

1923

- No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, N. of cor.
 Descend 129 ft., over N. slope, to
 45.00 From this point, the top of a high hill, brs. S. about 5 chs.
 dist.
 Descend 244 ft., over NW. slope, to
 60.00 Saddle in ridge, bearing N. 80° W. and S. 80° E.
 Ascend 119 ft., over SE. slope, to
 73.35 Intersect random W. bdy. of T. 13 N., R. 5 E. surveyed south,
 as hereinafter described.
 At point of intersection,
 Set an iron post, 3 ft. long, 3 ins. in diam., 18 ins. in
 the ground to bed rock, supported in a mound of stone,
 for reestablished std. cor. of Ts. 13 N., Rs. 4 and 5 E.,
 with brass cap, marked

S	C
T13N	
R4E	R5E
S36	S31

1923

No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, N. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper and oak.
 Undergrowth, scrub oak, buck brush, manzanita and cactus.

BOOK 3661

8 Survey of part (completion) of W. bdy. of Township 13 North Range 5 E.

Chains.

The following notes describe a survey of the South half of the W. bdy. of T. 13 N., R. 5 E., establishing cor. monuments thereon at intervals of 40.00 chs., counting from the S end of line, and placing the excess measurement in that portion of the line between the N. halves of secs. 19 and 24.

-
- From the original cor. of secs. 13, 18, 19 and 24, hereinafter described,
South, on random line, setting temp. $\frac{1}{4}$ sec. and sec. cors. alternately at intervals of 40.00 chs.; and at
- 243.12 Intersect the 3rd Std. Par. N. resurveyed due west as hereinbefore described. Std. cor. of Ts. 13 N., Rs. 4 and 5 E. reestablished at this point, as hereinbefore described.
- Thence,
North, on true line, bet. secs. 31 and 36.
Over mountainous land, thru scattering timber and dense undergrowth.
- 16.62 Ascend 270 ft., over SE. slope.
Top of ascent at foot of cliff, 75 ft. high, bearing NW. and SW., facing NE. and SE. Top of Squaw Peak brs. W. about 6 chs. dist.
- 32.65 Descend 285 ft., over NE. slope, to
Spur, slopes NE. A peak brs. W. about 3 chs. dist.
- 40.00 Descend 175 ft., over steep N. slope, to
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 31 and 36, with brass cap, marked

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

from which,

An oak, 16 ins. in diam., brs. N. 75° W., 109 lks. dist., marked $\frac{1}{4}$ S 36 BT.

A juniper, 30 ins. in diam., brs. S. $65^{\circ} 20'$ E., 230 lks. dist., marked $\frac{1}{4}$ S 31 BT.

- Enter nearly level land on bench, bearing NE. and SW.
Ascend 20 ft., over SE. slope, to
- 49.11 Foot of hill, brs. NE. and SW. Leave bench, and enter mountainous land.
- Ascend 30 ft., over SE. slope.
- 53.60 Top of ascent on E. side of hill, the top of which brs. W. 100 lks. dist.
- Descend 370 ft., over steep NE. slope, to
- 79.12 Spur, slopes N. 70° E.
- Descend 26 ft., over steep N. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 25, 30, 31 and 36, with brass cap, marked

T13N
R4E | R5E
S25 | S30
S36 | S31
1923

from which,

A pine, 10 ins. in diam., brs. N. 21° W., 111 lks. dist., marked T13N R4E S25 BT.

A pine, 12 ins. in diam., brs. N. 24° E., 120 lks. dist., marked T13N R5E S30 BT.

A pine, 4 ins. in diam., brs. S. 84° E., 100 lks. dist., marked BT.

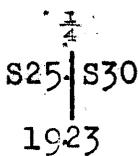
Survey of part (completion) of West bdy. of Township 13 N., R. 5 E. 9

Chains.

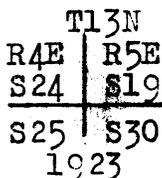
A pine, 5 ins. in diam., brs. S. 61 $\frac{1}{4}$ ° W., 72 lks. dist., marked T13N R4E S36BT.
 Land, mountainous and nearly level.
 Soil, rocky, 4th rate.
 Timber, pine, juniper and oak.
 Undergrowth, scrub oak and mountain mahogany.

 North, on true line, bet. secs. 25 and 30.
 Over mountainous land, thru. scattering timber and dense undergrowth.

- 2.10 Descend 70 ft., over steep N. slope.
Bottom of gulch, course E.
- 7.60 Ascend 180 ft., over SE. slope.
Ridge, brs. E. and W. Leave scattering, and enter dense timber.
- 14.15 Descend over steep E. slope, to
Spur, slopes N. 70° E. from peak, the top of which brs. W. 2.00 chs. dist.
Descend 940 ft., over steep broken N. slope to bottom of canyon.
- 18.72 Limestone cliff, 30 ft. high, bearing E. and N. 70° W. facing N. Leave dense, and enter scattering timber.
- 19.54 Red sandstone cliff, 25 ft. high, bearing E. and N. 70° W., facing N.
- 38.80 Center of wash, 100 lks. wide, course E. in bottom of canyon, containing a stream of clear running water, 3 lks. wide, 4 ins. deep.
- 40.00 Ascend 31 ft., over steep SW. slope, to
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 25 and 30, with brass cap, marked



- No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
- 42.55 Ascend 260 ft., over steep S. slope.
Wagon trail, brs. E. and W.
- 48.61 Spur, slopes SE.
Descend 200 ft., over NE. slope.
- 55.02 Same wagon trail, brs. NW. and SE.
- 56.75 Bottom of gulch, course S. 70° E.
Ascend 90 ft., over SE. slope.
- 61.40 Ridge, brs. E. and W. Same wagon trail, brs. NE. and SW.
Descend 60 ft., over steep N. slope.
- 62.72 Bottom of gulch, course E.
Ascend 100 ft., over SE. slope.
- 66.15 Spur, slopes E.
Descend 110 ft., over N. slope.
- 69.24 Bottom of gulch, course E.
Ascend 260 ft., over steep S. slope.
- 77.63 Ridge, brs. W. and N. 70° E.
Descend 60 ft., over N. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bed rock, supported in a mound of stone, for cor. of secs. 19, 24, 25 and 30, with brass cap, marked



No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.

BOOK 3661

10 Survey of part (completion) of W. bdy. of Township 13 North Range 5 E.

Chains.

Timber, juniper and pine.
Undergrowth, scrub oak and mountain mahogany.

North, on true line, bet. secs. 19 and 24.
Over mountainous land, thru scattering timber and dense
undergrowth.

- 5.12 Descend 130 ft., over N. slope.
Bottom of gulch, course NE.
Ascend 80 ft., over SE. slope.
- 11.65 Spur, slopes NE.
Descend 640 ft., over steep N. slope.
- 38.25 Bottom of gulch, course E.
Ascend 70 ft., over steep S. slope, to
- 40.00 Spur, slopes E. Set an iron post, 3 ft. long, 1 in. in diam.,
12 ins. in the ground to bed rock, deposit a stone,
marked with a cross (x) at base of post, and raise a
mound of stone around post; for $\frac{1}{4}$ sec. cor. of secs. 19
and 24, with brass cap, marked

$\frac{1}{4}$
S24 | S19

1923

- No bearing trees available.
Descend 10 ft., over N. slope.
- 41.02 Road, brs. E. and W.
- 41.75 Wash, 10 lks. wide, course E.
Ascend 40 ft., over SE. slope.
- 48.16 Ridge, brs. W. and NE.
Descend 240 ft., over NW. slope.
- 60.10 Bottom of gulch, 60 lks. wide, course NE.
Ascend 60 ft., over SE. slope.
- 65.15 Spur, slopes NE.
Descend 130 ft., over N. slope.
- 82.00 Bottom of gulch, course E.
Ascend 9 ft., over S. slope, to
- 83.12 Intersect the original cor. of secs. 13, 18, 19 and 24, es-
tablished in 1916 by Wm. H. Richards, Jr., U.S.S., which
is an iron post 3 ins. in diam., projecting 12 ins. above
ground, firmly set, properly marked on brass cap, and
witnessed by a mound of stone, W. of cor. No bearing
trees.

Land, mountainous..

Soil, rocky, 4th rate.

Timber, juniper and pine.

Undergrowth, skunk brush, scrub oak and mountain mahogany.

Resurvey of part of Subdivision lines of Township 13 North Range 5 E. 11

Chains.

The following notes describe the resurvey of the W. $\frac{1}{2}$ of line bet. secs. 26 and 35, the S. $\frac{1}{2}$ of line bet. secs. 28 and 29, and the Subdivision lines bounding secs. 33 and 34. These subdivision lines were surveyed by C.B. Foster, U.S.D.S. in 1873.

The W. $\frac{1}{2}$ of line bet. secs. 27 and 34, the S. $\frac{1}{2}$ of line, bet. secs. 28 and 29, and the subdivision lines bounding sec. 33 were retraced by Wm. H. Richards, Jr., U.S.S. in 1916.

No other retracement or resurvey of this part of the Subdivision lines of T.13 N., R.5 E. is of record.

Retracement for Resurvey.

From original cor. of secs. 22, 23, 26 and 27, hereinafter described,
 South, on random line, bet. secs. 26 and 27, and bet. secs. 34 and 35, searching diligently at intervals of 40.00 chs. for the original cor. monuments. Fail to find any trace of a monument, until at

158.19 Fall 2.10 chs. E. of the original std. cor. of secs. 34 and 35, on the S. bdy. of the Tp. (3rd Std. Par. N.) hereinbefore described.

The true course and dist. of a line back to the original cor. of secs. 22, 23, 26 and 27 are therefore, N. $0^{\circ}46'E.$, 158.20 chs.

From std. cor. of secs. 34 and 35,
 N. $0^{\circ}46'E.$, on trial meridional sec. line, bet. secs. 34 and 35.

39.55 (Proportional dist.) Set temp. $\frac{1}{4}$ sec. cor. of secs. 34 and 35.

79.10 (Proportional dist.) Set temp. cor. of secs. 26, 27, 34 and 35.

From original $\frac{1}{4}$ sec. cor. of secs. 26 and 35, hereinafter described,
 West, on random line, searching diligently at record intervals for the original cor. monuments. Fail to find any trace of a monument, until at

126.44 Fall 43 lks. N. of the point for original location of the cor. of secs. 27, 28, 33 and 34, hereinafter described.

The true course and dist. of a line back to the original $\frac{1}{4}$ sec. cor. of secs. 26 and 35 are therefore, N. $89^{\circ}48'E.$, 126.44 chs.

From cor. of secs. 27, 28, 33 and 34,
 N. $89^{\circ}48'E.$, on trial latitudinal sec. line, bet. secs. 27 and 34.

42.11 (Proportional dist.) Set temp. $\frac{1}{4}$ sec. cor. of secs. 27 and 34.

84.22 (Proportional dist.) Set temp. cor. of secs. 26, 27, 34 and 35.

86.03 Continue line and measurement.
 A point 1.47 chs. S. of the temp. cor. of secs. 26, 27, 34 and 35. The point for reestablishment of the cor. of said secs. is therefore 1.81 chs. W. of the temp. sec. cor. set on trial meridional sec. line at 76.10 chs. N. $0^{\circ}46'E.$ from std. cor. of secs. 34 and 35; and 1.47 chs. N. of the temp. sec. cor.; set on trial latitudinal sec. line at 84.22 chs. N. $89^{\circ}48'E.$ from cor. of secs. 27, 28, 33 and 34.

The sec. cor. is monumented at this reestablished point, as hereinafter described.

The true courses and lengths of the sec. lines radiating from this reestablished sec. cor. are listed as follows:

BOOK 3661

12 Resurvey of part of Subdivision lines of T. 13 N., R. 5 E.

Chains.

Line bet. secs. 34 and 35 = N. 0° 33' W., 79.10 chs.
 W. $\frac{1}{2}$ of line, bet. secs. 26 and 35 = N. 88° 12' W., 42.24 chs.
 Line bet. secs. 26 and 27 = N. 2° 5' E., 79.14 chs.
 Line bet. secs. 27 and 34 = S. 88° 48' W., 84.24 chs.

41.47 From point of original location of the cor. of secs. 27, 28, 33 and 34, hereinafter described,
 S. 5° 9' E. (previous retracement record) on random line, bet. secs. 33 and 34 (N. $\frac{1}{2}$).
 Fall 2 lks. E. of recognized $\frac{1}{4}$ sec. cor. of secs. 33 and 34, hereinafter described.
 The true course and dist. of N. $\frac{1}{2}$ of line, bet. secs. 33 and 34 are therefore N. 5° 11' W., 41.47 chs.
 The S. $\frac{1}{2}$ of this sec. line was retraced in connection with the resurvey of the 3rd Std. Par. N., as hereinbefore described.

40.00 From point of original location of the cor. of secs. 27, 28, 33 and 34,
 West, (record course) on random line, bet. secs. 28 and 33. (Record dist.) Diligent search in this vicinity fails to reveal any trace of the original $\frac{1}{4}$ sec. cor. of secs. 28 and 33.
 80.00 Set temp. $\frac{1}{4}$ sec. cor., and continue line and measurement. (Record dist.) Diligent search in this vicinity fails to reveal any trace of the original cor. of secs. 28, 29, 32 and 33.
 Set temp. cor. of said secs.

40.00 From original $\frac{1}{4}$ sec. cor. of secs. 28 and 29, hereinafter described,
 South, (record course) on random line, bet. secs. 28 and 29 (S. $\frac{1}{2}$).
 (Record dist.) Diligent search in this vicinity fails to reveal any trace of the original cor. of secs. 28, 29, 32 and 33.
 Set temp. cor. of said secs.
 Continue line and measurement.
 42.40 A point 23 lks. W. of the temp. cor. of secs. 28, 29, 32 and 33 set at record course and dist. from the cor. of secs. 27, 28, 33 and 34.
 The point for reestablishment of the cor. of secs. 28, 29, 32 and 33 is therefore 27.40 chs. N. of the temp. cor. of said secs. set at record course and dist. from cor. of secs. 27, 28, 33 and 34, and 23 lks. E. of the temp. sec. cor. set at record course and dist. from the $\frac{1}{4}$ sec. cor. of secs. 28 and 29.
 The sec. cor. is monumented at this reestablished point, as hereinafter described.
 The true courses and lengths of the sec. lines extending easterly and northerly from this reestablished cor. are:
 Line bet. secs. 28 and 33 = N. 88° 17' W., 80.04 chs.
 S. $\frac{1}{2}$ of line, bet. secs. 28 & 29 = N. 0° 19' W., 40.00 chs.
 The old sec. line, bet. secs. 32 and 33 was retraced in connection with the resurvey of the 3rd Std. Par. N., as hereinbefore described.

RESURVEY.

From the std. cor. of secs. 34 and 35, on the S. bdy. of the Tp. (3rd Std. Par. N.) hereinbefore described,

BOOK 3661

Resurvey of part of Subdivision lines of T.13 N., R. 5 E. 13

Chains. N.0°33'W., on true line, bet. secs.34 and 35.
 Over mountainous land, thru. scattering undergrowth.
 Descend 58 ft., over N.slope.
 2.90 Wash, 30 lks.wide, course E. Thence over nearly level land.
 Descend slightly over E.slope.
 6.90 Old road, brs.N.60°W. and S.60°E.
 9.80 Wash, 30 lks.wide, course E.
 Ascend slightly over E.slope, to
 31.45 Wash, 30 lks.wide, course E.
 Ascend slightly over E.slope, to
 39.10 (40.00 chs.from reestablished cor.of secs.26, 27, 34 and 35)
 set an iron post, 3 ft.long, 1 in.in diam., 26 ins. in
 the ground, for reestablished $\frac{1}{4}$ sec.cor. of secs.34
 and 35, with brass cap, marked

$\frac{1}{4}$
 S34 | S35
 1923

No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft.high, W.of cor.
 The reestablishment of this $\frac{1}{4}$ sec.cor. at 40.00 chs.from
 N.end of line, instead of at the midpoint, was made
 to protect valid entry in NW. quarter of sec.34.
 Continue over nearly level land, thru. scattering under-
 growth.

79.10 Descend slightly over NE.slope, to
 The point for reestablishment of the cor. of secs.26, 27,
 34 and 35, determined as hereinbefore described.
 Set an iron post, 3 ft.long, 2 ins. in diam., 26 ins.in
 the ground, for reestablished cor.of secs. 26, 27, 34
 and 35, with brass cap, marked

T13N | R 5E
 S27 | S26
 S34 | S35
 1923

from which,

A willow, 4 ins.in diam., brs.N.54 $\frac{1}{4}$ °W., 58
 lks.dist., marked BT.

No other bearing tree available. Raise a mound
 of stone, 3 ft.base, 2 ft.high, W.of cor.
 From this cor., a barn brs.N.78°7'W., about 40 chs.dist.,
 and a house at the Squaw Peak Mine brs.S.89°26' W.
 Land, mountainous and nearly level.
 Soil, in S.3 chs., rocky, 4th rate; remainder, sandy, 2nd
 rate. Timber, none.
 Undergrowth, cactus, scrub mesquite, and catclaw.

The original $\frac{1}{4}$ sec.cor. of secs. 26 and 35 is a mound of
 earth, midway between two pits.one each E.and W. On
 top of the mound is a cedar stake, 2 ins.square, 2 ft.
 long, sharpened at one end, and indistinctly marked;
 also, a sandstone, 12x10x8 ins., marked with a cross
 (x).

No bearing trees.

Reconstruct this cor. monument in same place as follows:
 Destroy the mound of earth, set the stake 18 ins. in the
 ground, and alongside same, set an iron post, 3 ft.
 long, 1 in.in diam., 18 ins.in the ground to bed rock,
 set old marked stone alongside, and raise a mound of
 stone around post, for $\frac{1}{4}$ sec.cor. of secs.26 and 35,
 with brass cap, marked

$\frac{1}{4}$ S 26
 S 35
 1923

BOCK 3661

14 Resurvey of part of Subdivision lines of T.13 N. R.5 E.

Chains.

- No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
- Thence,
N. $88^{\circ}12'W.$, on true line, bet. secs. 26 and 35, ($W. \frac{1}{2}$).
Over nearly level land on mesa, thru scattering undergrowth.
- 10.35 Rim of mesa, brs. N. and S. Enter mountainous land.
Descend 265 ft., over W. slope, to
- 22.15 Top of left bank of Verde River, brs. N. and S.
Descend 118 ft., over W. face of bluff to
- 25.15 Foot of bluff, brs. N. and S., and E. edge of channel of Verde river. Leave mountainous, and enter nearly level land in bed of Verde River, containing a stream of water, 150 lks. wide, $2\frac{1}{2}$ ft. deep, course S.
- 26.65 West edge of river bed, brs. N. and S.
Ascend 15 ft., over E. slope.
- 27.85 Top of right bank of Verde river, brs. N. and S. Thence over nearly level land.
Ascend slightly over NE. slope, to
- 42.24 Intersect the reestablished cor. of secs. 26, 27, 34 and 35, hereinbefore described.
Land, nearly level and mountainous.
Soil, rocky, 4th rate in mountainous portion; sandy, 2nd rate in the nearly level portion.
Timber, none.
Undergrowth, catclaw, scrub mesquite and cactus.

 Reconstruction of cor. of secs. 22, 23, 26 and 27.

The cor. of secs. 22, 23, 26 and 27 being used as a basis for the reestablishment of the cor. of secs. 26, 27, 34 and 35, reconstruct the cor. monument as follows:
The old cor. monument is a mound of stone in a fence cor., from which fences extend N. and W. William Wingfield, a nearby settler, who has resided in the vicinity for a long period, testified that this mound of stone is in the original position of the sec. cor. monument.
Remove the mound of stone, and in center of its position, set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bed rock, and rebuild the mound of stone around post, for cor. of secs. 22, 23, 26 and 27, with brass cap, marked

T13N	R5E
S22	S23
S27	S26
1923	

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

 RESURVEY..

- From reestablished cor. of secs. 26, 27, 34 and 35,
S. $88^{\circ}48'W.$, on true line, bet. secs. 27 and 34.
Over nearly level land, thru scattering undergrowth.
Ascend slightly over NE. slope, to
- 6.40 Top of right bank of the Verde river, brs. N. $70^{\circ}E.$ and S. $70^{\circ}W.$
Descend 12 ft., over NW. slope, to
- 8.10 Right edge of water surface in Verde River. Thence across stream of water 200 lks. wide, $2\frac{1}{2}$ ft. deep, course N. $70^{\circ}E.$
- 14.00 Left edge of water, brs. NE. and SW.
Ascend 15 ft., over SE. slope, to
- 21.60 Top of left bank of Verde river, brs. NE. and SW. Leave river. Continue over nearly level land, thru scattering undergrowth.
- 22.90 Wire fence, brs. NE. and SW.

Resurvey of part of Subdivision lines of T. 13 N., R. 5 E. 15

Chains.

27.90 Old irrigation ditch; course NE. Enter very scattering cottonwood timber.

30.40 Road, brs.N.and S.

42.12 (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished 1/4 sec.cor. of secs.27 and 34, with brass cap, marked

S 27
S 34
1923

from which,

A cottonwood, 36 ins.in diam., brs.N.66°W., 443 lks.dist., marked 1/4 S 27 BT.

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

Continue over nearly level land, thru. very scattering timber and scattering undergrowth.

43.70 Same irrigation ditch, course SE.

44.50 Wire fence, brs.N.and S.

46.40 Wash, 20 lks:wide, course S.

57.60 Top of left bank of Verde river, brs.N.and SE.

Descend 15 ft., over W.slope.

58.65 Foot of bank. Thence across river bed.

63.40 East edge of water, brs.N.and S. Thence across stream of water, 300 lks.wide, 2 ft. deep, course S.

66.40 West edge of water, brs.N.and S. Continue across river bed.

76.60 Right edge of river bed, brs.N.and SE.

Ascend 15 ft., over E.slope, to.

77.20 Top of right bank of Verde river, brs.N.and SE. Leave river.

Ascend slightly over SE.slope, along N.side of wash, course E.

84.24 Intersect the point of original location of the cor.of secs. 27, 28, 33 and 34, now monumented by an unmarked cottonwood pole in a fence cor.. This pole was accepted as marking the sec.cor., by Wm.H.Richards, Jr., U.S.S. in his retracement, executed in 1916, and its position with relation to the topographical features recorded in the original survey agrees substantially with said record. As this point is near the edge of a wash, where it would be subject to overflow in flood seasons, it is impracticable to reconstruct the sec.cor. monument here; therefore, measure N.30 lks., and set an iron post, 3 ft. long, 2 ins.in diam., 26 ins.in the ground, for witness cor.to cor.of secs.27, 28, 33 and 34, with brass cap, marked

T13N | R5 E
S28 | S27
S33 | S34
W C
1923

from which,

A mesquite, 4 ins.in diam., brs.N.12°W., 28 lks. dist., marked W C B T.

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

Land, nearly level.

Soil, sandy, 2nd and 3rd rate.

Timber, cottonwood.

Undergrowth, arrowweed, catclaw and cactus.

From the reestablished std.cor. of secs. 33 and 34, on the S.bdy.of the Tp.(3rd Std.Par.N.), hereinbefore described,

N.0°37'W+, on true line, bet. secs.33 and 34 (S.E.).

BOOK 3661

16 Resurvey of part of Subdivision lines of T.13 N., R.5 E.

Chains.

7.73 Over nearly level land, thru dense undergrowth.
Top of bank, brs.E.and W. Enter rolling land.
Descend 40 ft., over N.slope.

9.70 Wash, 30 lks.wide, course E.
Ascend 86 ft., over S.slope.

10.60 Power transmission line, brs.NW. and SE.

12.40 Arizona Power Company's power transmission line, brs. NW.
and SE.

20.50 Ridge, brs.E.and W.
Descend 106 ft., over NE.slope, to

35.98 Intersect $\frac{1}{4}$ sec.cor. of secs.33 and 34, which is an un-
marked limestone 14x12x8 ins., set in a mound of stone.
No accessories. This monument was accepted in 1916 by
Wm. H.Richards, Jr., in his retracement as the original
 $\frac{1}{4}$ sec.cor., and its relation to the topography seems to
confirm such acceptance.
Reconstruct this cor.monument in same place as follows:
Destroy old mound of stone, and in center of its position,
set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec.cor. of secs. 33 and 34, with brass
cap, marked

$\frac{1}{4}$
S33 | S34
1923

No bearing trees available. Raise a mound of stone, 3 ft.
base, 2 ft. high, W.of cor.
Thence,
N.5°11'W., on true line, bet. secs.33 and 34 (N.S.).
Over rolling land, thru scattering undergrowth.
Descend 41 ft., over NE.slope.

4.47 Wash, 20 lks.wide, course E.
Ascend 16 ft., over SE. slope.

8.97 Spur, slopes E..
Descend 99 ft., over NE.slope.

16.15 Wire fence, brs.E. and W.

17.55 Road, brs.NW. and SE. at foot of descent. Leave rolling,
and enter nearly level land.

18.62 Wire fence, brs.NW. and SE.

25.37 Wire fence, brs.E. and W.

26.86 Road, brs. NW. and SE.

29.77 Irrigation ditch, course SW.

39.48 Road, brs.E. and W.

40.17 Same irrigation ditch, course SE.

41.27 Wash, 30 lks.wide, course E., joined at this point by two
washes, one from NW., and one from SW.

41.47 Intersect the true point for cor.of secs.27, 28, 33 and
34, hereinbefore described.
Witness cor. established at 30 lks.N. herefrom.
Land, nearly level and rolling.
Soil, rocky, 4th rate in S. $\frac{1}{2}$; sandy, 2nd and 3rd rate in
N. $\frac{1}{2}$.
Timber, none.
Undergrowth, catclaw, cactus and scrub mesquite.

From true point for cor. of secs. 27, 28, 33 and 34,
N.88°17'W., on true line, bet. secs.28 and 33.
Over nearly level land, thru dense undergrowth.

0.45 Wash, 25 lks.wide, 6 ft.deep, course SE.

0.95 Irrigation ditch, 5 lks.wide, 1 $\frac{1}{2}$ ft.deep, course SE.

1.90 Road, brs.N.and S.

6.40 Road, brs.N.20°E. and S.20°W.

10.00 Wash, 10 lks.wide, course NE.

15.40 Wash, 20 lks.wide, course NE.

39.00 Wash, 5 lks.wide, course NE.

40.02 (Midpoint) Set an iron post, 3 ft.long, 1 in. in diam.
26 ins.in the ground, for reestablished $\frac{1}{4}$ sec.cor.of

BOOK 3661

Resurvey of part of Subdivision lines of T. 13 N., R. 5 E.

Chains.

secs. 28 and 33, with brass cap, marked

+	S 28
	+
	S 33
	1923

- No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Continue over nearly level land, thru. dense undergrowth. Ascend gradually over NE. slope.
- 41.25 Arizona Power Company's transmission line, brs. N. 35° 10' W. and S. 35° 10' E.
- 44.40 Power transmission line, brs. N. 35° 10' W. and S. 35° 10' E.
- 50.10 Wire fence, brs. NW. and SE.
- 60.40 Wash, 15 lks. wide, course NE. Ascend slightly over NE. slope, to
- 64.50 Wash, 70 lks. wide, 6 ft. deep, course NE. Ascend gradually over E. slope, to
- 80.04 Point for reestablishment of the cor. of secs. 28, 29, 32 and 33, determined as hereinbefore described. Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for reestablished cor. of secs. 28, 29, 32 and 33, with brass cap, marked

T13N	R5E
S29	S28

S32	S33

No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, nearly level. Soil, sandy and gravelly; 2nd and 3rd rate. Timber, none. Undergrowth, catclaw, scrub mesquite, scrub oak and cactus.

- From reestablished std. cor. of secs. 32 and 33, on the S. bdy. of the Tp. (3rd. Std. Par. N.) hereinbefore described, N. 1° 58' W., on true line, bet. secs. 32 and 33. Over rolling land, thru. very scattering timber and dense undergrowth.
- Descend 22 ft., over NW. slope.
- 1.10 Draw, course NE.
- Descend 35 ft., over NE. slope, to
- 14.20 Wash, 30 lks. wide, course N. 70° E.
- Ascend 25 ft., over SE. slope.
- 25.00 Descend 37 ft., over NE. slope.
- 33.80 Wash, 80 lks. wide, course NE.
- Ascend 20 ft., over SE. slope, to
- 39.92 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 32 and 33, with brass cap, marked.

+	
	↑
S32	S33
	↑
	1923

- No bearing trees available. Raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.
- 41.42 Descend 15 ft., over NE. slope, to Wash, 100 lks. wide, course N. 70° E.
- 58.00 Descend 75 ft., over NE. slope, to Wash, 100 lks. wide, course N. 70° E. Enter nearly level land.
- 79.92 Descend slightly, over E. slope, to Intersect the reestablished cor. of secs. 28, 29, 32 and 33. Land, rolling and nearly level. Soil, sandy and gravelly, 2nd and 3rd rate. Timber, cedar. Undergrowth, catclaw, cactus and scrub mesquite.

BOOK 3661

18 Resurvey of part of Subdivision lines of T.13 N. R.5 E.

Chains.

39.10
40.00

From reestablished cor. of secs. 28, 29, 32 and 33,
N, 0° 19' W., on true line, bet. secs. 28 and 29 (S. $\frac{1}{2}$).
Over nearly level land, thru, dense undergrowth.
Descend gradually over E. and NE. slopes to $\frac{1}{4}$ sec. cor.
Road, brs. NE. and SW.

Intersect the $\frac{1}{4}$ sec. cor. of secs. 28 and 29, monumented by
a cedar post, 5x3 ins., projecting 21 ins. above ground
firmly set in ground and mound of stone. No bearing
trees. This post is unmarked, but was accepted in
1916 by Wm. H. Richards, Jr., U.S.S. in his retracement,
as marking the original cor. point, and as diligent
search in the vicinity failed to reveal any conflict-
ing cor. monument, and considering the general irregu-
larities found elsewhere in the original survey of
the township, this monument can be accepted as mark-
ing the original cor. point.

Reconstruct the monument as follows:

Destroy the mound of stone, and alongside old wood post,
set an iron post, 3 ft. long, 1 in. in diam., 26 ins.
in the ground, for $\frac{1}{4}$ sec. cor. of secs. 28 and 29, with
brass cap, marked

$\frac{1}{4}$
 s29 | s28

1923

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Land, nearly level.

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

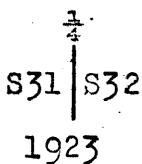
Timber, none.

Undergrowth, catclaw, scrub mesquite and cactus.

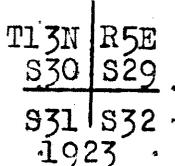
BOOK 3661

Survey of part of Subdivision lines of T. 13 N., R. 5 E. 19

Chains. From the reestablished standard cor. of secs. 31 and 32 on the S. bdy. of the Tp. (3rd Std. Parallel N.) hereinbefore described,
 North, on true line, bet. secs. 31 and 32.
 Over mountainous land, thru. scattering timber and dense undergrowth.
 9.40 Descend 164 ft., over N. slope.
 Bottom of gulch, course E.
 A perpendicular cliff, 50 ft. high, facing S. brs. W. about 3.50 chs. dist.
 16.70 Ascend 164 ft., over S. slope.
 Ridge, brs. E. and W.
 27.00 Descend 372 ft., over N. slope.
 Bottom of canyon, course E.
 36.00 Ascend 348 ft., over steep S. slope.
 Ridge, brs. E. and W.
 40.00 Descend 207 ft., over N. slope, to
 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post for $\frac{1}{4}$ sec. cor. of secs. 31 and 32, with brass cap, marked



No bearing trees available.
 42.80 Descend 57 ft., over N. slope.
 Gulch, course E.
 51.20 Ascend 200 ft., over S. slope.
 Ridge, brs. E. and W.
 58.50 Descend 194 ft., over N. slope.
 Gulch, course NE.
 63.50 Ascend 30 ft., over SE. slope.
 Point of spur, slopes NE.
 66.00 Descend 102 ft., over N. slope.
 Gulch, course E.
 68.50 Ascend 76 ft., over S. slope.
 Spur, slopes E.
 70.80 Descend 68 ft., over N. slope.
 Wash, 20 lks. wide, in gulch, course E.
 72.70 Ascend 82 ft., over S. slope.
 Point of spur, slopes E.
 80.00 Descend 97 ft., over NE. slope, to
 Set an iron post 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap, marked



No bearing trees available. Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, juniper.
 Undergrowth, catclaw, cactus, and scrub mesquite.

S. 89° 57' E., on true line, bet. secs. 29 and 32, toward flag on the objective sec. cor., which is plainly visible.
 Over mountainous land, thru. very scattering timber and dense undergrowth.
 25.50 Descend 344 ft., over NE. slope.
 Draw, course NE.

BOOK 3661

20 Survey of part of Subdivision lines of T.13 N., R. 5 E.

Chains. Ascend 96 ft., over NW.slope.
 26.70 Spur, slopes NE. Enter rolling land.
 40.00 Descend 157 ft., over E.slope, to
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor. of secs. 29 and 32, with
 brass cap, marked

$\frac{1}{4}$ S 29
 S 32
 1923.

No bearing trees available. Raise a mound of stone, 3
 ft. base, 2 ft. high, N. of cor.
 Continue over rolling land, thru. very scattering timber
 and dense undergrowth.
 74.80 Descend 219 ft., over E.slope to sec. cor.
 Enter nearly level land.
 76.87 Descend slightly over E.slope, to
 Intersect the reestablished cor. of secs. 28, 29, 32 and 33,
 hereinbefore described.
 Land, mountainous, rolling and nearly level.
 Soil, rocky, 4th rate.
 Timber, juniper.
 Undergrowth, scrub oak, catclaw, scrub mesquite and cactus.

The continued satisfactory adjustment of the solar appa-
 ratus of the instruments used in the execution of the
 resurveys and surveys described in the foregoing notes
 is indicated from field tests described in Book "E"
 of this group.

Boundaries of that part of T.13 N., R. 5 E., surveyed
 under Group No. 120, Arizona (secs. 19, 29, 30, 31, 32
 33 and 34)

Latitudes, departures, and closing errors.

Line designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South bdy., (3rd. Std. Par. N.)	West,	315.62				315.62
West boundary,	North,	243.12	243.12			
Subdivisional boundary,	S. 89° 55' E.	77.95		.11	77.95	
	South,	81.79		81.79		
	East,	76.69			76.69	
	S. 6° 42' W.	40.67		40.39		4.75
	S. 0° 19' E.	40.00		40.00	.22	
	S. 88° 17' E.	80.04		2.40	80.00	
	N. 88° 48' E.	84.24	1.76		84.22	
	S. 0° 33' E.	79.10		79.10	.76	
Convergency,					.09	
Totals,			244.88	243.79	319.93	320.37
			243.79			319.93
	Error in latitude,			1.09		
	Error in departure,					0.44

GENERAL DESCRIPTION.

The surface of the greater portion of the land surveyed is rolling and mountainous in character, with some level land adjoining the Verde River.

The drainage is into the Verde River, which has a general southerly course.

There is a scattering growth of juniper in secs. 32 and 33, while along the S. half of the W. bdy. the growth is heavier of juniper and pine.

There is a thick growth of catclaw, cactus, scrub oak and scrub mesquite over the greater part of the area.

A spring of good water is located in sec. 31.

The presence of mineral, chiefly copper, is indicated by the presence of scattering mine tunnels, and assessment work done throughout the several sections.

There are no settlers living on the sections surveyed.

There are some cultivated lands in secs. 33 and 34, which belong to settlers residing to the north.

A fair road enters the NE. cor. of sec. 33, and leaves the SW. cor. of sec. 34.

Other improvements consist of fences and an old cabin in sec. 34.

The grazing value of the land is fair.

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~ ^{TRANSITMAN}

I, Ty White, ^{Transitman} ~~Surveyor~~, U. S. ~~Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 120, Arizona bearing date of the 26th day of May, 1922, 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, ^{re} surveyed all those parts or portions of the 3rd Standard Parallel North in Range 5 East and Subdivision lines of Township 13 North, Range 5 East, and surveyed all those parts or portions of the West boundary of Township 13 North, Range 5 East of the Gila & Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes ^{and by diagram on page 1 hereof} as having been executed by me, and under my direction; and that all the corners of ~~said 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 120, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~resurvey and survey~~.

Place... Long Beach, Calif.
 Date... July 27, 1925.

Ty White

U. S. ~~Surveyor~~
 Transitman.

APPROVAL

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

191

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.

CERTIFICATE OF UNITED STATES ^{TRANSITMAN} ~~SURVEYOR~~

I, Benjamin J. Kinsey, U. S. ^{Transitman} ~~Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 120, Arizona bearing date of the 26th day of May, 1922, 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, ^{re} surveyed all those parts or portions of the 3rd Standard Parallel North in Range 5 East, and the Subdivision lines of Township 13 North, Range 5 East, and surveyed all those parts or portions of the Subdivision lines of Township 13 North, Range 5 East of the Gila & Salt River

Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes ^{and by diagram on page 1 hereof} as having been executed by me, and under my direction; and that all the corners of said ^{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 120, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ^{re} survey and survey.

Place Phoenix, Arizona.
Date APR 14 1925

Benjamin J. Kinsey
U. S. ~~Surveyor~~
Transitman.

APPROVAL.

OFFICE OF THE U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, August 13, 1925

The foregoing field notes of the resurvey of the 3rd Std. Parallel North, thru part of Range 5 East; and part of the Subdivision lines of Township 13 North, Range 5 East; and survey of part of the West boundary and Subdivision lines of TOWNSHIP 13 NORTH, RANGE 5 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Benjamin J. Kinsey and Ty White, U.S. Transitmen, under ~~his~~ special instructions dated May 26th, 1922, for Group 120, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ^{re} surveys and surveys they describe, are hereby approved.

Wm. B. Johnson
U. S. Supervisor of Surveys.

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