

3731

Book "B"
4-679

Jan 31, 1925

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BOOK 3731
FIELD NOTES

OF THE RETRACEMENT OF

Part of the South boundary, and

Part of the Subdivision lines of T. 1 S., R. 13 E.,

M

OF THE RESURVEY OF

Part of the Subdivision lines of T. 1 S., R. 13 E.,

AND OF THE SURVEY OF

Part of the Subdivision lines of

TOWNSHIP 1 SOUTH, RANGE 13 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Theodore Vander Meer,

U. S. Transitman,

In the capacity of U. S. Surveyor, under Special Instructions dated September 29, 1924, issued by the United States Surveyor General to govern surveys included in Group No. 127, Arizona, which were approved by the Commissioner of the General Land Office, November 13, 1924, and Assignment Instructions dated November 29, 1924.

Retracement,
Resurvey and Survey commenced December 11, 1924

Retracement,
Resurvey and Survey completed December 29, 1924

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1A

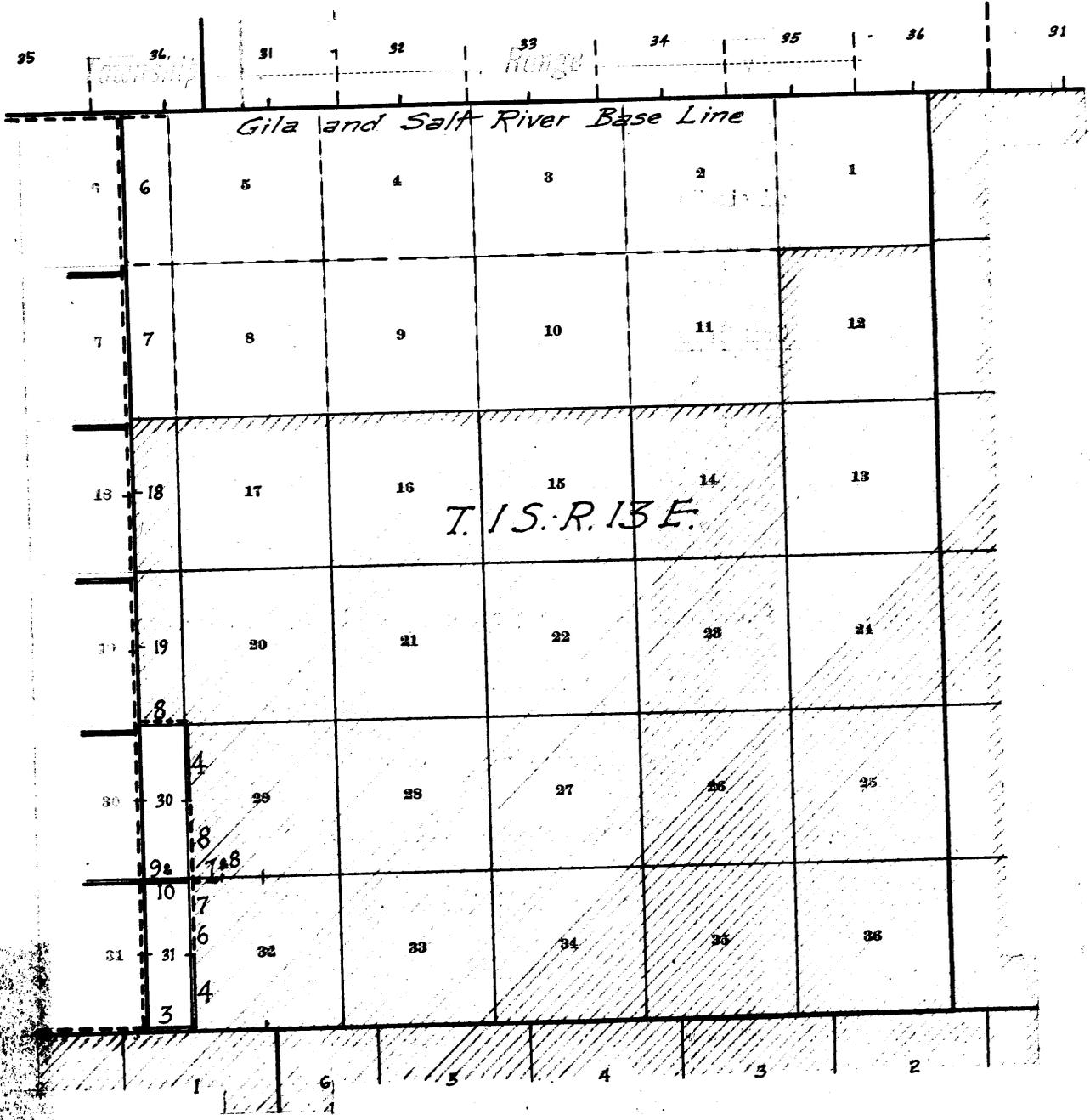
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Book "B"

Group 127 - - Arizona.

BOOK 3731

INDEX DIAGRAM.



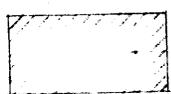
— Lines retraced under this group.

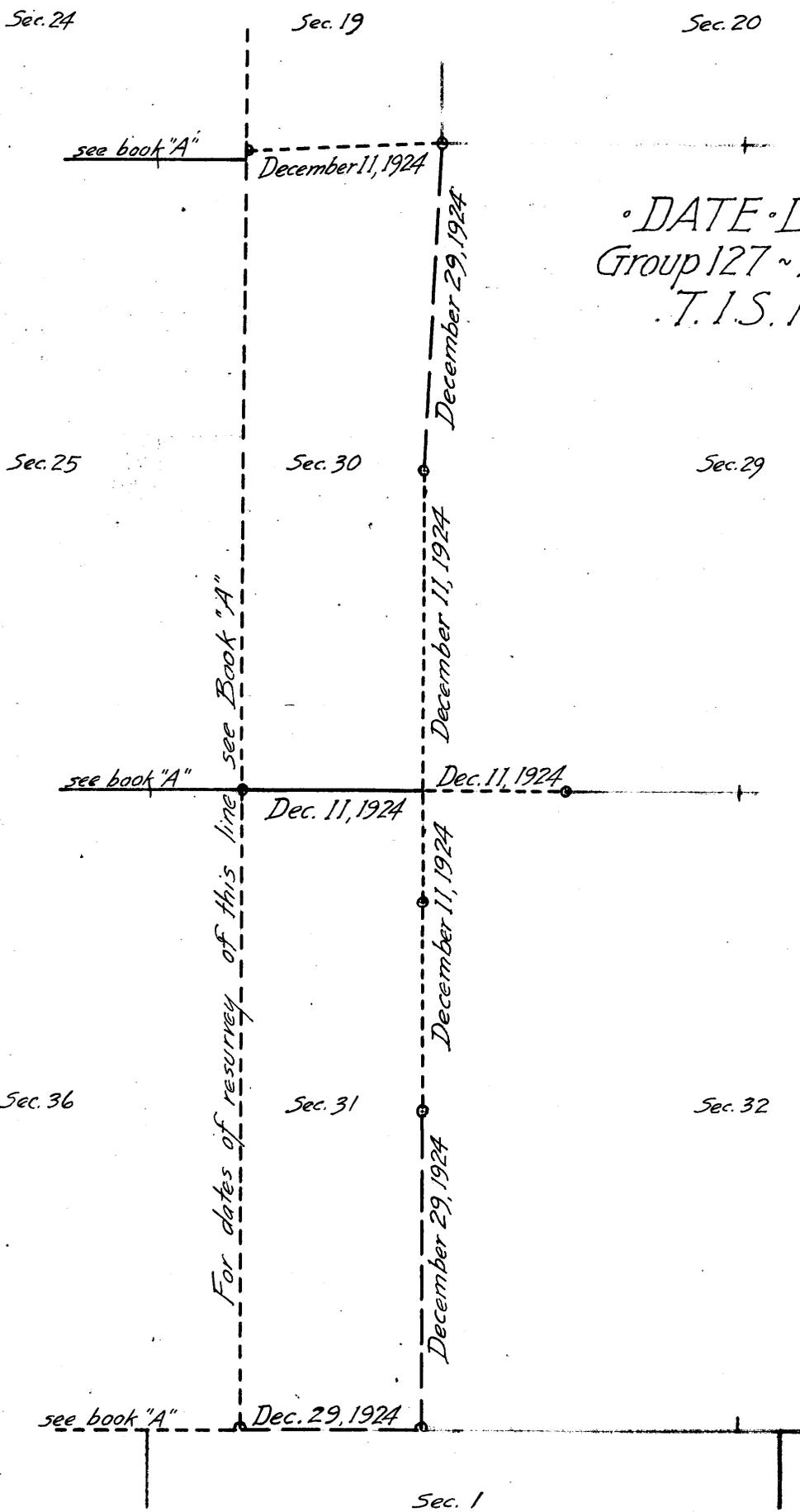
- - - Lines resurveyed under this group.

— Lines surveyed under this group.

— Accepted surveys.

- - - Unsurveyed.

 Areas surveyed as per accepted plan.



DATE DIAGRAM
Group 127 ~ Arizona
T. 1 S. R. 13 E.

- Indicates lines surveyed by Theo. Vander Meer, U.S.T. on dates shown thereon.
- - - - - Indicates lines retraced by Theo. Vander Meer, U.S.T. on dates shown thereon.
- · · · · Indicates lines resurveyed by Theo. Vander Meer, U.S.T. on dates shown thereon.
- Lines surveyed under this group the notes of which are in another book.
- - - - - Lines resurveyed under this group the notes of which are in another book.
- Accepted surveyed lines.

Retracements, surveys, and resurveys, herein described, were executed on dates shown on diagram on page 1 hereof, by Theodore Vander Meer, U.S. Transitman, using Young and Sons light mountain transit No. 8389, equipped with a full vertical circle and Smith solar attachment; unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

The retracements, resurveys and surveys described in the following notes were made during the survey of T.1 S., R.12 E.; therefore, for preliminary test of instrument see Book "A" and for evidence of continued satisfactory adjustment of the solar apparatus, see preliminary test in Book "C."

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

Retracement of part of South bdy. of Township 1 South, Range 13 East. 3

chains.

The South boundary of T.1 S., R.13 E. was surveyed S.89°55' E. by A.B. Titus, U.S.D.S. in 1905, establishing the cor. of secs. 5, 6, 31 and 32 at 20.94 chs., and the remaining cor. monuments common to areas both sides of the line, at intervals of 40.00 chs.

In 1908 and 1910, F.B. Jacobs, U.S.D.S. surveyed the boundaries and subdivision lines of T.2 S., R.12 E., established a closing cor. of Ts. 2 S., Rs. 12 and 13 E. on the S. bdy. of sec. 32, T.1 S., R.13 E. at 5.50 chs. S.89°55' E. from the original 1/4 sec. cor. of secs. 5 and 32, and changed said 1/4 sec. cor., the original cor. of secs. 5, 6, 31 and 32, and the original cor. of Ts. 1 and 2 S., Rs. 12 and 13 E. to refer to areas N. of the line only.

In 1917, W.B. Kimmel and R.J. Gill, U.S. Surveyors, surveyed the E. and S. boundaries and subdivision lines of T.2 S., R.13 E., resurveyed the E. bdy. of T.2 S., R.12 E., the S. bdy. of sec. 36, T.1 S., R.13 E., and the E. 1/4 of S. bdy. of sec. 32, established sec. closing cors. for the N. tier of secs. in T.2 S., R.13 E., on the S. boundaries of Ts. 1 S., Rs. 13 and 14 E., and changed all the original cor. monuments E. of the 1/4 sec. cor. of sec. 32, T.1 S., R.13 E., to refer to areas N. of line only.

No other resurvey of any part of the S. bdy. of T.1 S., R.13 E. is of record.

The following notes describe a retracement of the S. bdy. of frac. sec. 31, T.1 S., R.13 E.

From the cor. of Ts. 1 S., Rs. 12 and 13 E., described in Book "A" of this group, S.89°55' E., on random line, on S. bdy. of frac. sec. 31, T.1 S., R.13 E.

Over mountainous land, thru scattering timber and undergrowth.

0.87 Descend slightly over E. slope, to Gulch, course NE.

5.53 Ascend 94 ft., over NW. slope. Spur, slopes NE.

19.22 Descend 335 ft., over SE. slope. Gulch, course NE.

Ascend 20 ft., over NW. slope, to

20.73 Fall 9 lks. S. of the cor. of sec. 32, and frac. sec. 31, which is a granite stone, 12x10x8 ins. above ground, firmly set, marked with 5 notches on E. face and 1 notch on W. face, and witnessed by a mound of stone, N. of cor. No bearing trees.

True course and dist. of S. bdy. of frac. sec. 31 are therefore N.89°50' E., 20.73 chs.

Land, mountainous.

Soil, adobe, 3rd rate, and rocky, 4th rate.

Timber, black oak, juniper and cypress.

Undergrowth, scrub oak, mountain mahogany, manzanita and chamisal.

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4 Retracement of part of Subdivision lines of T. 1 S., R. 13 E.

Chains.

The subdivision lines of sec.12, secs.13 to 24,secs.25 to 29, and secs.32 to 36, T.1 S., R.13 E. were surveyed by A. B. Titus, U.S.D.S. in 1905.

No subsequent survey, retracement or resurvey of Subdivision lines in this township is of record.

The following notes describe a retracement of the S. $\frac{1}{2}$ of line bet. secs.32 and frac. sec.31, and the N. $\frac{1}{2}$ of line bet. secs.29 and frac. sec.30:

From the cor. of sec.32, and frac. sec.31, on the S. bdy. of the Tp., hereinbefore described,
N.0°3'W., on random line, bet. secs.31 and 32 (S. $\frac{1}{2}$)..
Over mountainous land, thru. scattering timber and undergrowth.
Descend 40 ft., over NW. slope.
2.50 Canyon, course E.
Ascend 140 ft., over S. slope.
11.00 Spur, slopes E.
Descend 325 ft., over broken N. slope.
37.70 Gulch, course S.70°E.
Ascend 40 ft., over S. slope, to
40.08 Fall 13 lks. E. of the original $\frac{1}{4}$ sec. cor. of sec.32 and frac. sec.31, which is a cross (x) marked on surface rock, and witnessed by a mound of stone, W. of cross. No bearing trees.
True course and dist. of S. $\frac{1}{2}$ of line, bet. sec.32 and frac. sec.31 are therefore N.0°14'W., 40.08 chs.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar and cottonwood.
Undergrowth, scrub oak, catclaw, mesquite and Spanish dagger.

The original $\frac{1}{4}$ sec. cor. of sec. 29 and frac. sec.30 is a cross (x) and $\frac{1}{4}$ marked on boulder 5x4x3 ft. above ground and witnessed by a mound of stone, W. of cor. No bearing trees.
Thence,
N.0°3'W., on random line, bet. sec.29 and frac. sec.30 (N. $\frac{1}{2}$)..
Over mountainous land, thru. scattering timber and undergrowth.
Descend 115 ft., over NE. slope.
8.60 Gulch, 8 lks. wide, course SE.
Ascend 760 ft., over SW. slope.
13.32 Trail, brs. E. and W.
35.40 Rocky spur, slopes SE.
Ascend gradually along steep E. slope, to
41.32 Fall 2.15 chs. W. of the original cor. of secs.20 and 29, and frac. secs.19 and 30, which is a granite stone 18x18x8 ins. above ground, firmly set, marked with 5 notches on E. edge, and 2 notches on W. edge, and witnessed by a mound of stone, W. of cor. No bearing trees.
True course and dist. of N. $\frac{1}{2}$ of line bet. sec.29 and frac. sec.30 are therefore N.2°56'E., 41.38 chs.
Land, mountainous.
Soil, adobe, 3rd rate.
Timber, black oak, juniper and cypress.
Undergrowth, scrub oak, mountain mahogany, manzanita and chamisel.

Resurvey of part of Subdivision lines of Township 1 South, Range 13 E. 5

Chains.

The following notes describe the resurvey of the N. 1/2 of line bet. sec. 32 and frac. sec. 31, the S. half of line bet. sec. 29 and frac. sec. 30, the line bet. frac. secs. 19 and 30, and the West 17.99 chs. of line bet. secs. 29 and 32.

Retracement for Resurvey.

From original 1/4 sec. cor. of sec. 32 and frac. sec. 31, hereinbefore described, N. 0° 33' W., on random line, bet. sec. 32 & frac. sec. 31 (part of N. 1/2). Fall 23 lks. E. of the original witness cor. to cor. of secs. 29 and 32, and frac. secs. 30 and 31, of record as 13.60 chs. S. 0° 33' E. from cor. point.

True course and dist. of the sec. line from the 1/4 sec. cor. to this witness cor. are therefore, N. 0° 33' W., 26.30 chs. Thence,

N. 0° 33' W., on random line, bet. sec. 32 and frac. sec. 31 (Part of N. 1/2).

Measurement across Queen Creek Canyon by triangulation and traverse as described as follows and as shown on the diagram hereon:

Set flag at the W.C. on the sec. line, bet. sec. 32 and frac. sec. 31, as indicated on diagram at "A".

From a point "B" on the State highway to Superior, chain measurement of 8.13 chs. along said highway to point "C."

The flag "A" brs. S. 27° 58' E. from "B" and S. 4° 56' E. from "C".

Included angles of triangle "A-B-C" are 23° 21', 103° 32' and 53° 26', the sum of which is 180° 00'.

Length of "A-B" by solution of triangle "A-B-C" = 16.69 chs.

From "C" chain measurement of 8.58 chs. along state highway to point "D."

Set flag "E" on the sec. line, bet. secs. 29 and 32 at the witness cor. to cor. of secs. 29 and 32, and frac. secs. 30 and 31.

The flag "E" brs. S. 74° 2' E. from "C." and S. 56° 57' E. from "D."

Included angles of triangle "C-D-E" are 27° 28', 135° 27' and 17° 05', the sum of which is 180° 00'.

Length of "D-E" by solution of triangle "C-D-E" = 13.47 chs.

Traverse "A-B-C-D-E" (N. 27° 58' W., 16.69 chs. (N. 48° 30' E., 8.13 chs. (N. 78° 30' E., 8.58 chs. (S. 56° 57' E., 13.47 chs.

Latitude of traverse = 14.49 chs. N. Departure of traverse = 17.96 chs. E.

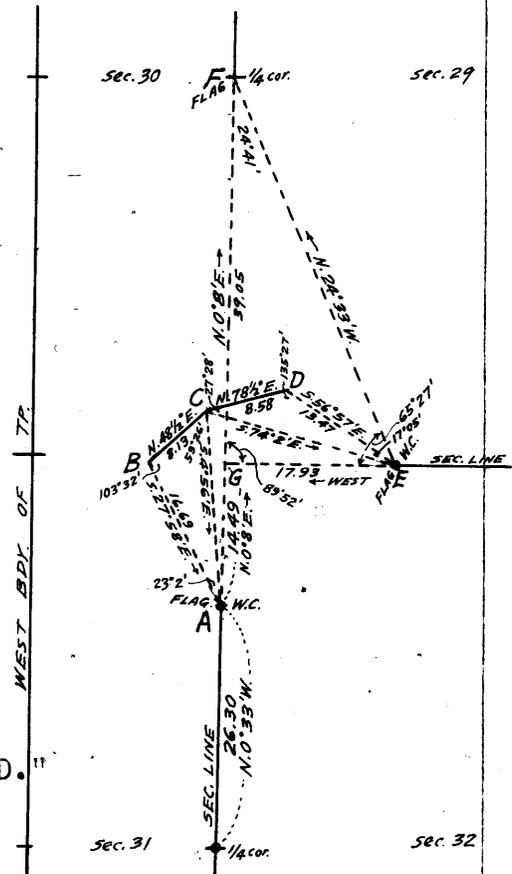
A flag "F" on the 1/4 sec. cor. of sec. 29 and frac. sec. 30 brs. N. 0° 8' E.

Point "G" N. 0° 8' E. from "A" and West from "E", is therefore, 14.49 chs. N. 0° 8' E. from "A", and 17.93 chs. west from "E."

The flag "F" brs. N. 24° 33' W. from "E"

Included angles of triangle "E-F-G" are 65° 27', 24° 41' and 89° 52', the sum of which is 180° 00'.

The length of "G-F" by solution of triangle "E-F-G" = 39.05 chs., N. 0° 8' E.



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6 Resurvey of part of Subdivision lines of Township 1 South, Range 13 E.

Chains.	The distance from "A" to "F" is therefore 14.49 chs. + 39.05 chs. = 53.54 chs. N.0°8'E.
13.59	The point for reestablishment of cor. of secs. 29 and 32, and frac. secs. 30 and 31, as determined by proportion $13.60 : 53.60 :: x : 53.54 = 13.59$ chs. N.0°8'E. from "A." The random line, N.0°3'W. from "A" would therefore at Fall 4 lks. W. of the point for reestablishment of the cor. of secs. 29 and 32, and frac. secs. 30 and 31. True course and dist. of the sec. line from the W.C. to the sec. cor. point are therefore, N.0°8'E., 13.59 chs. This sec. cor. point being 90 lks. S.0°8'W. from point "G" which is 17.93 chs. west from the W.C. on the sec. line bet. secs. 29 and 32, the true course and dist. of said sec. line from the W.C. to the sec. cor. point are therefore, S.87°8'W., 17.95 chs.

23.97	From true point for cor. of secs. 29 and 32, and frac. secs. 30 and 31, N.0°3'W., on random line, bet. sec. 29 and frac. sec. 30 (S. $\frac{1}{2}$). Triangulated measurement to $\frac{1}{4}$ sec. cor., as hereinbefore described. From $\frac{1}{4}$ sec. cor. of sec. 29 and frac. sec. 30, chain measurement S.0°3'E., 15.98 chs. (record course and dist.) to N.W. or right rim of Queen Creek Canyon, brs. NE. and SW. Diligent search in this vicinity fails to reveal any trace of the witness cor. to cor. of secs. 29 and 32, and frac. secs. 30 and 31, of record as set on the sec. line at 24.02 chs. N.0°3'W. from sec. cor. point. The length of sec. line from sec. cor. point to $\frac{1}{4}$ sec. cor. is 53.54 chs. - 13.59 chs. = 39.95 chs., and the bearing is N.0°8'E.
39.95	The random line, N.0°3'W. from point for reestablishment of the sec. cor. would therefore, at Fall 13 lks. W. of the original $\frac{1}{4}$ sec. cor. of sec. 29, and frac. sec. 30, hereinbefore described. True course and dist. of S. half of line bet. sec. 29 and frac. sec. 30 are therefore, N.0°8'E., 39.95 chs.

22.81	From the cor. of frac. secs. 19 and 30, on the W. bdy. of the Tp., described in Book "A," of this group, N.89°55'E. (record course) on random line, bet. frac. secs. 19 and 30. Fall 46 lks. S. of the original cor. of secs. 20 and 29, and frac. secs. 19 and 30, hereinbefore described. True course and dist. of line bet. frac. secs. 19 and 30 are therefore, N.88°45'E., 22.82 chs.

RESURVEY.

1.08	From the original $\frac{1}{4}$ sec. cor. of sec. 32 and frac. sec. 31, hereinbefore described; N.0°33'W., on true line, bet. sec. 32 and frac. sec. 31 (part of N. $\frac{1}{2}$). Over mountainous land, thru. scattering timber and undergrowth. Ascend slightly over S. slope, to Point of spur, slopes NE. Descend 86 ft., over N. slope.
4.20	Telephone line, brs. E and W.
6.10	Bottom of gulch, course E. Ascend 78 ft., over SE. slope, to
12.40	Descend 34 ft., over broken E. slope, to
17.35	Ascend 118 ft., over SE. slope, to
22.47	Top of rocky knoll, brs. NE. and SW. Descend 25 ft., over NW. slope, to
26.30	SE. or left rim of Queen Creek Canyon, brs. NE. and SW. Intersect the original witness cor. to cor. of secs. 29 and

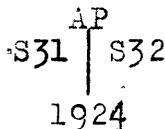
Resurvey of part of Subdivision lines of Township 1 South, Range 13 E. 7

Chains.

and 32, and frac. secs. 30 and 31, which is a cross (x) on surface rock, "WC" and 1 notch S. and 5 notches E. of cross, and witnessed by a mound of stone, W. of cross. No bearing trees.

Alter this witness cor. to angle point as follows:

Over the cross (x) set an iron post, 3 ft. long, 1 in. in diam., and raise a mound of stone around post, for angle point, marked on brass cap,



No bearing trees available.

Thence,

N. 0° 8' E., on true line, bet. sec. 32 and frac. sec. 31 (part of N. 1/2).

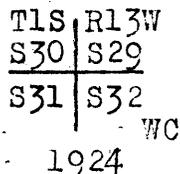
Descend about 900 ft., over precipitous broken NW. slope, on left wall of Queen Creek Canyon.

Measurement to sec. cor. point by traverse and triangulation, as hereinbefore described.

13.59

Intersect the true point for reestablishment of cor. of secs. 29 and 32, and frac. secs. 30 and 31. This point falls on face of cliff, bearing NE. and SW. facing NW., where it is impracticable to monument the cor.; therefore, at the nearest accessible point, which is at foot of cliff 20 lks. N. 11° 19' W. from sec. cor. point, establish witness cor. as follows:

Over a cross (x) on surface rock, set an iron post, 3 ft. long, 2 ins. in diam., and raise a mound of stone around post, for witness cor. to reestablished cor. of secs. 29 and 32, and frac. secs. 30 and 31, marked on brass cap,



No bearing trees available. The establishment of this witness cor. was accomplished by chaining measurement of 6.57 chs. S. 15° E. from point "C" of the traverse hereinbefore described, and the tie to the sec. cor. point was then computed.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar and cottonwood.

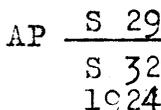
Undergrowth, scrub oak, catclaw, mesquite and Spanish dagger.

The original witness cor. to cor. of secs. 29 and 32, and frac. secs. 30 and 31, on the line bet. secs. 29 and 32 at SE. or left rim of Queen Creek Canyon, is a cross (x) on surface rock, "WC" and 5 notches E. and 1 notch S. of cross, and witnessed by a mound of stone, N. of cor.

No bearing trees.

Alter this witness cor. to an angle point, as follows:

Over the cross (x) set an iron post, 3 ft. long, 1 in. in diam., and raise a mound of stone around post, for angle point, marked on brass cap,



No bearing trees available.

Thence,

S. 87° 8' W., on true line, bet. secs. 29 and 32 (part of W. 1/2).

Over mountainous land, thru scattering timber and undergrowth.

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DEC. 15/1906 S.

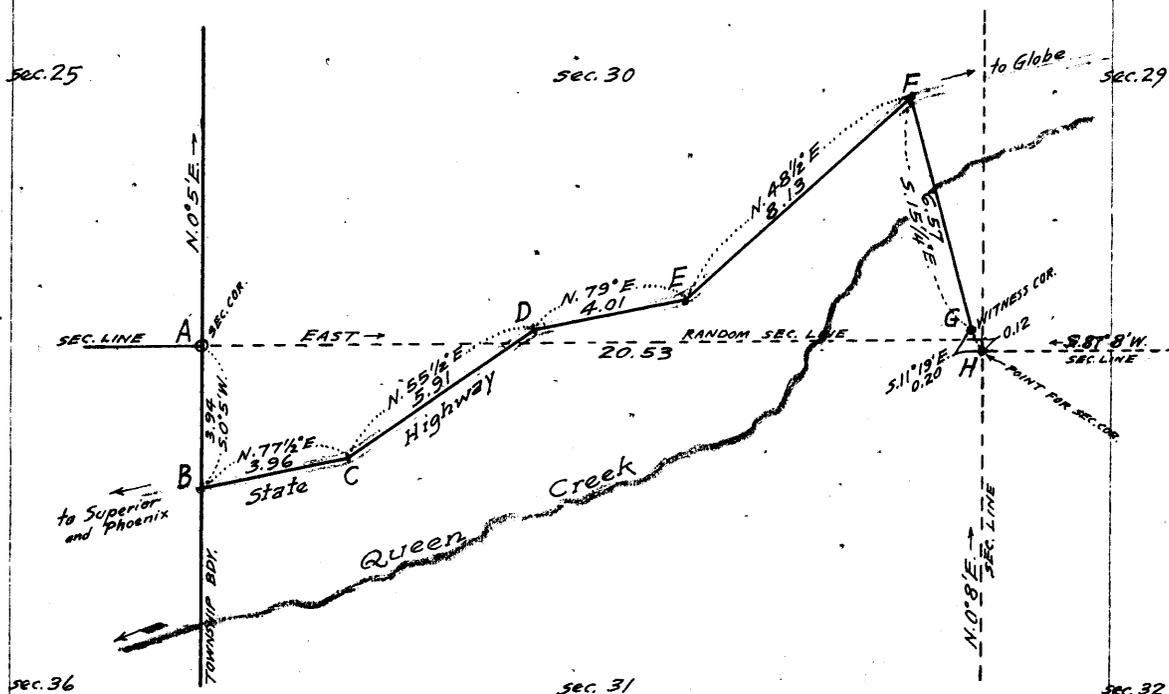
8 Resurvey of part of Subdivision lines of T. 1 S. R. 13 E.

Chains.

17.95	<p>Descend about 900 ft. over precipitous broken NW slope on left wall of Queen Creek Canyon. Measurement to sec.cor. point by traverse and triangulation as hereinbefore described. Intersect the true point for reestablishment of the cor. of secs.29 and 32, and frac.secs.30 and 31, on NW face of cliff. Witness cor.established at 20 lks.N.11° 19' W., as hereinbefore described. Land, mountainous. Soil, rocky, 4th rate. Timber, cedar and cottonwood. Undergrowth, scrub oak, catclaw, mesquite and Spanish dagger.</p>
5.00	<p>From true point for reestablished cor. of secs.29 and 32, and frac.secs.30 and 31, N.0°8'E., on true line, bet.sec.29 and frac.sec.30 (S.½). Over mountainous land, thru. scattering timber and undergrowth. Measurement to ¼ sec.cor.by triangulation; thence return measurement by chaining to NW. or right rim of Queen Creek Canyon. From sec.cor.point, descend about 100 ft., over steep broken NW.slope. (Approx.) Dry bed of Queen Creek, 50 lks.wide, course SW., in bottom of canyon. Ascend about 100 ft., over precipitous broken SE.slope to right rim of canyon.</p>
6.00	<p>(Approx.) State highway, brs.N.78½°E. and S.78½°W., known as "Superior Highway," extending northeasterly to Globe, and westerly to Superior and Phoenix.</p>
23.97	<p>NW, or right rim of Queen Creek Canyon, brs.NE. and SW. Continue line and measurement by chaining.</p>
35.60	<p>Ascend 170 ft., over S.slope. Spur, slopes S.70°E.</p>
39.95	<p>Descend 77 ft., over NE.slope, to Intersect the original ¼ sec.cor.of sec.29, and frac.sec.30, hereinbefore described. Land, mountainous. Soil, rocky, 4th rate. Timber, oak, juniper, cedar and cottonwood. Undergrowth, scrub oak, mountain mahogany, manzanita and chamisal.</p>
0.82	<p>From cor.of frac.secs.19 and 30, on W.bdy.of Tp., described in Book "A" of this group, N.88°45'E., on a true line, bet.frac.secs.19 and 30. Over mountainous land, thru.scattering timber and undergrowth. Ascend 20 ft., over SW.slope. Spur, slopes SE.</p>
4.62	<p>Descend 120 ft., over E.slope. Gulch, 6 lks.wide, course SE.</p>
21.02	<p>Ascend 407 ft., over SW.slope. Spur, slopes SE.</p>
22.82	<p>Descend 18 ft., over E.slope, to Intersect the original cor.of secs.20 and 29, and frac.secs.19 and 30, hereinbefore described. Land, mountainous. Soil, adobe, 3rd rate. Timber, black oak, juniper and cypress. Undergrowth, scrub oak, mountain mahogany, manzanita and chamisal.</p>

Survey of part of Subdivision lines of Township 1 South, Range 13 East, 9 Chains.

From the reestablished cor. of secs. 25 and 36, and frac. secs. 30 and 31, on the W. bdy. of the Tp., described in Book "A" of this group, East, on random line, bet. frac. secs. 30 and 31. Owing to cliffs on the NW or right wall of Queen Creek Canyon, over which this sec. line passes, chaining is impracticable; therefore, obtain the true course and length of this sec. line by means of a traverse, as described as follows, and as shown on the diagram hereon:



From reestablished cor. of secs. 25 and 36, and frac. secs. 30 and 31 on W. bdy. of Tp., described in Book "A," and indicated on diagram at "A,"

S. 0° 5' W., 3.94 chs. along W. bdy. of Tp. to point "B" in the State Highway (Superior Highway)

Thence, N. 77 1/2° E., 3.96 chs. along said Highway to point "C."

Thence, N. 55 1/2° E., 5.91 chs. along said highway to point "D."

Thence, N. 79° E., 4.01 chs. along said highway to point "E," identical with point "B" of the traverse from W.C. on line, bet. sec. 32 and frac. sec. 31 to the W.C. on line, bet. secs. 29 and 32, hereinbefore described in notes of resurvey of part of N. 1/2 of line, bet. sec. 32 and frac. sec. 31.

Thence, N. 48 1/2° E., 8.13 chs. along said highway to point "F," identical with point "C" of the traverse hereinbefore described.

Thence, S. 15 1/2° E., 6.57 chs. leaving highway, descending to Queen creek, then ascending to foot of cliff at point "G" where the witness cor. to cor. of secs. 29 and 32, and frac. secs. 30 and 31 is established, as hereinbefore described.

Thence, S. 11° 19' E., 0.20 chs. (computed course and dist.) to point "H" which is the true point for cor. of secs. 29 and 32, and frac. secs. 30 and 31, on face of cliff on SE or left wall of Queen Creek Canyon.

The latitude of the above described traverse is 12 lks. S., and the departure 20.53 chs. E.; therefore, the random sec. line projected E. would at

BOOK 3731

10 Survey of part of Subdivision lines of T. 1 S. , R.13 E.

Chains.

- 20.53 Fall 12 lks. N. of the true point for cor. of secs. 29 and 32, and frac. secs. 30 and 31. The true course and dist. of sec. line, bet. frac. sec. 30 and 31 are therefore S. 89° 40' E., 20.53 chs. From cor. of sec. 25 and 36, and frac. secs. 30 and 31 on the W. bdy. of the Tp., described in Book "A" of this group, S. 89° 40' E., on true line, bet. frac. secs. 30 and 31. Over mountainous land in Queen Creek Canyon, thru scattering timber and undergrowth. Measurement of entire line, by traverse as hereinbefore described.
- 8.25 Descend about 200 ft., over cliffs, facing SE., to (Approx.) State highway, brs. NE and SW. (Superior Highway) extends northeasterly to Globe and westerly to Superior and Phoenix.
- 16.00 Descend about 150 ft., over steep broken SE. slope, to (Approx.) Dry bed of Queen Creek, 50 lks. wide, course SW. in bottom of canyon.
- 20.53 Ascend about 70 ft., over steep broken NW. slope, to Intersect the true point for cor. of secs. 29 and 32, and frac. secs. 30 and 31, on face of cliff. Witness cor. established at 20 lks. N. 11° 19' W., as hereinbefore described. Land, mountainous. Soil, rocky, 4th rate. Timber, cedar and cottonwood. Undergrowth, scrub oak, catclaw, mesquite and Spanish dagger.

 Boundaries of frac. secs. 30 and 31 of T. 1 S., R. 13 E.

Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	S. 89° 50' W.	20.73		.06		20.73
West boundary,	N. 0° 5' E.	160.77	160.77		.23	
Subdivisional boundary,	N. 88° 45' E.	22.82	.50		22.81	
	S. 2° 56' W.	41.38		41.32		2.12
	S. 0° 8' W.	53.54		53.54		.12
	S. 0° 33' E.	26.30		26.30	.25	
	S. 0° 14' E.	40.08		40.08	.16	
Convergency,					.01	
Totals.			161.27	161.30	23.46	22.97
				161.27	22.97	
Error in latitude,			0.03			
Error in departure,					0.49	

The continued satisfactory adjustment of the solar apparatus throughout the execution of the retracements, resurveys and surveys described in the foregoing notes is indicated from field tests described in Book "C."

GENERAL DESCRIPTION.

The surface of fractional secs. 30 and 31 is mountainous and rugged.

The soil is a granite and adobe, ranging from 2nd to 4th rate. granite rock is found on the surface in a great many places. Queen Creek Canyon, course SW. traverses frac. secs. 30 and 31.

There are no permanent flowing streams in this part of the township, and no springs, but Queen Creek, course SW., crossing the line bet. frac. secs. 30 and 31, carries water most of the time.

The township has been deforested for fuel, but a new scattering growth of oak, juniper, cedar and pinyon are seen. The undergrowth consists of scrub oak, manzanita, mountain mahogany and chaparral, and grows mostly on the N. slopes.

Mineral is quite common, altho. only the more common metals have so far been found.

Grazing is poor.

There are no settlers or improvements.

The state highway, known as the "Superior Highway" and which is one of the finest roads in Arizona, brs. NE. and SW., thru. this part of the township, being on the NW. or right wall of the Queen Creek Canyon, and extends from Globe thru. Superior to Phoenix, Arizona.

An electric power transmission line, course NE. and SW. follows Queen Creek along the SE. or left wall thereof.

4-680

FIELD ASSISTANTS. to

Theodore Vander Meer, U. S. T.

NAMES.	CAPACITY.
Ben Mollette	1st chairman.
Stanley S. Palmer	2nd chairman.
Earl Endicott	flagman.
Maxe Hume	cornerman.
Frank Kiefer	axeman.

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Theodore Vander Meer, U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 127, Arizona, bearing date of the 29th day of September, 1924, 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 South boundary and Subdivision lines;

and resurveyed all those parts or portions of the Subdivision lines; and surveyed all those parts or portions of the Subdivision lines of TOWNSHIP 1 SOUTH, RANGE 13 EAST

of the Gila and Salt River Base and Meridian, in the State of Arizona, and by diagram on page 1 hereof,

the foregoing field notes ^{as} having been executed by me, and under my direction; and that all the corners of said retracement, 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 127, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement, resurvey and survey.

Phoenix Ariz.
June 5, 1925

Theodore Vander Meer
U. S. Surveyor
Transitman

APPROVAL.

OFFICE OF THE U.S. SUPERVISOR OF SURVEYS,

Denver, Colorado, January 11, 1927.

The foregoing field notes of the retracement of
Part of the South boundary, and part of the Subdivision lines; of the resurvey of
Part of the Subdivision lines; and of the survey of
Part of the Subdivision lines of

TOWNSHIP 1 SOUTH, RANGE 13 EAST.

of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Theodore Vander Meer, U. S. Transitman,
under the special instructions dated September 29, 1924, for Group 127, 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.

Donald 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.~~

~~U. S. Surveyor General.~~