

BOOK 3776

FIELD NOTES

OF THE RETRACEMENT OF

Part of the East Boundary of Township 19 South, Range 7 East

OF THE RESURVEY OF

Part of the South Boundary of Township 19 South, Range 7 East

AND OF THE SURVEY OF

Part of the South Boundary

Part of the North Boundary

and

Part of the Subdivision Lines

of

Township 19 South, Range 7 East

of the Gila and Salt River Base and Meridian,

In the State of *Arizona*

EXECUTED BY

William H. Thorn, U.S. Cadastral Engineer

and

Otis O. Gould, U.S. Transitman

In the capacity of U. S. Surveyor *S.*, under Special Instructions dated **January 21**, 19 **26**

U.S. District Cadastral Engineer
issued by the ~~United States Surveyor General~~ to govern surveys included in Group
No. *134, Arizona*, which were approved by the Commissioner of the General Land
Office, **February 12**, 19 **26**, and Assignment Instructions dated **October 17**, 19**25**,
and December 2, 19**25**.

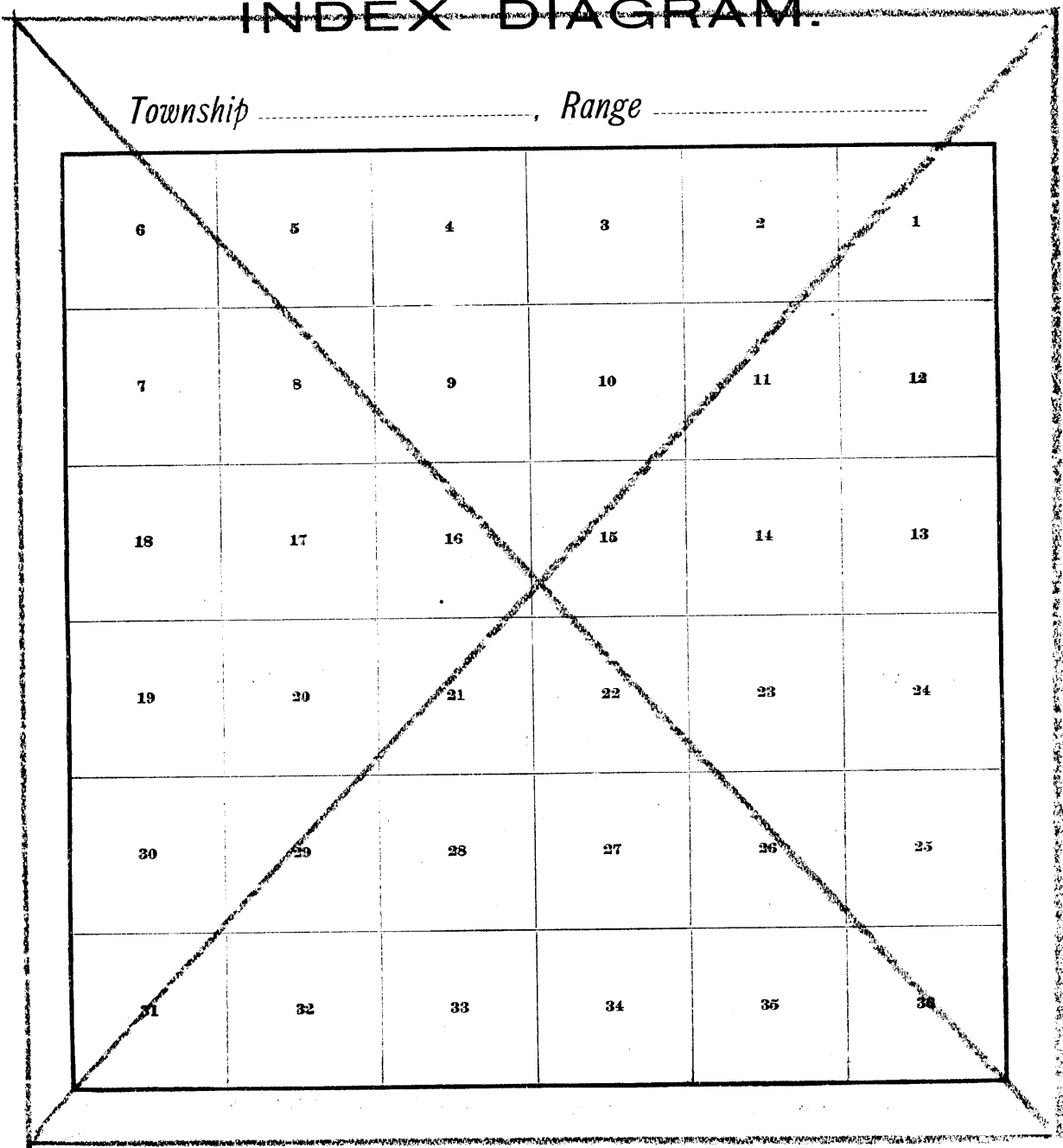
Retracement,
Resurvey & Survey commenced *February 23*, 19**26**.

Retracement,
Resurvey & Survey completed *March 27*, 19**26**.

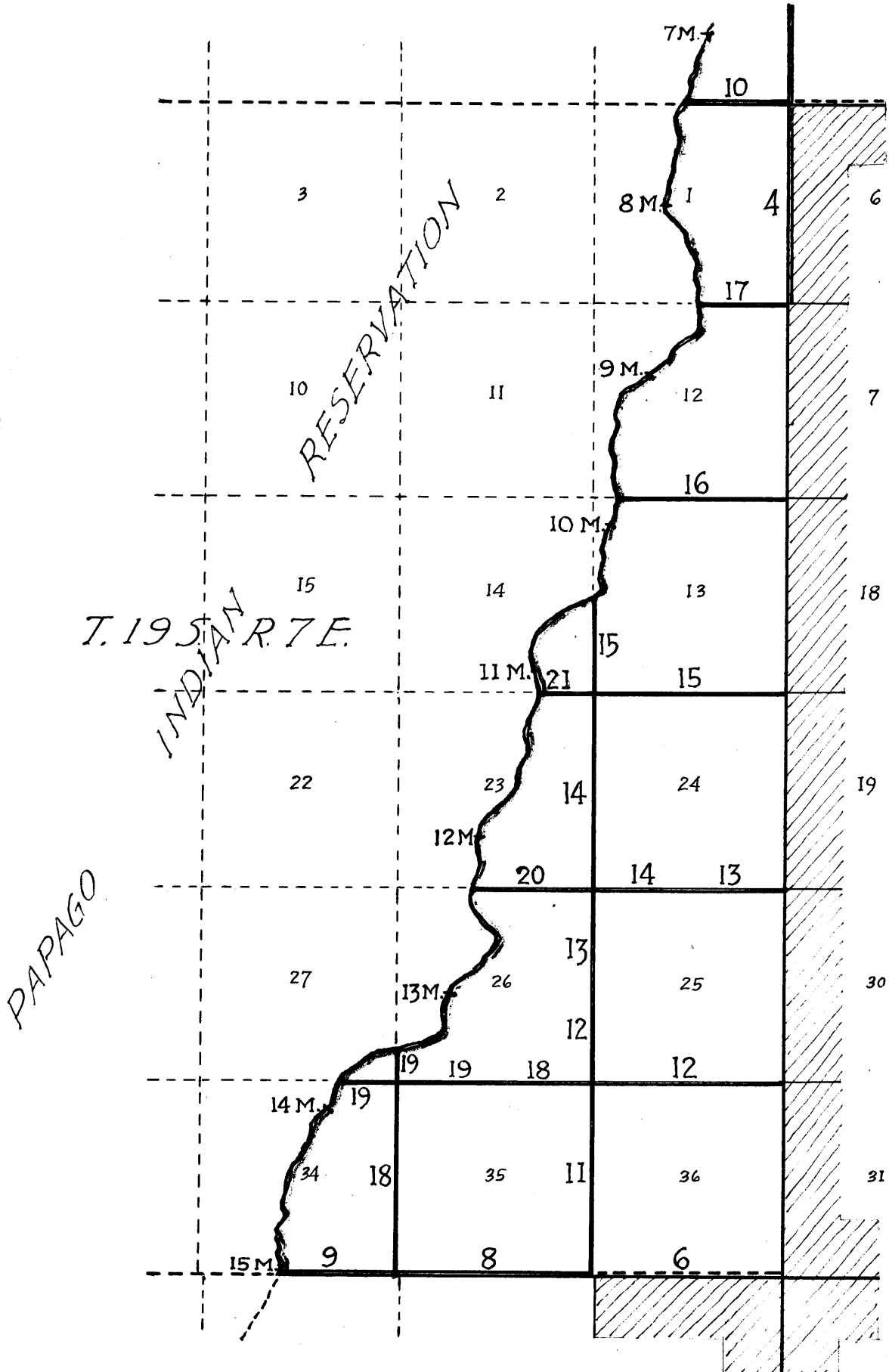
3776






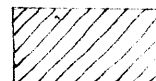

3776

INDEX DIAGRAM.



1A



-  Surveyed under this group.
 -  Retraced under this group.
 -  Resurveyed under this group.
 -  Accepted surveys.
 -  Unsurveyed.
 -  Areas surveyed as per accepted plats on file.
-  Surveyed under Group No. 100.

2

BOOK 3776

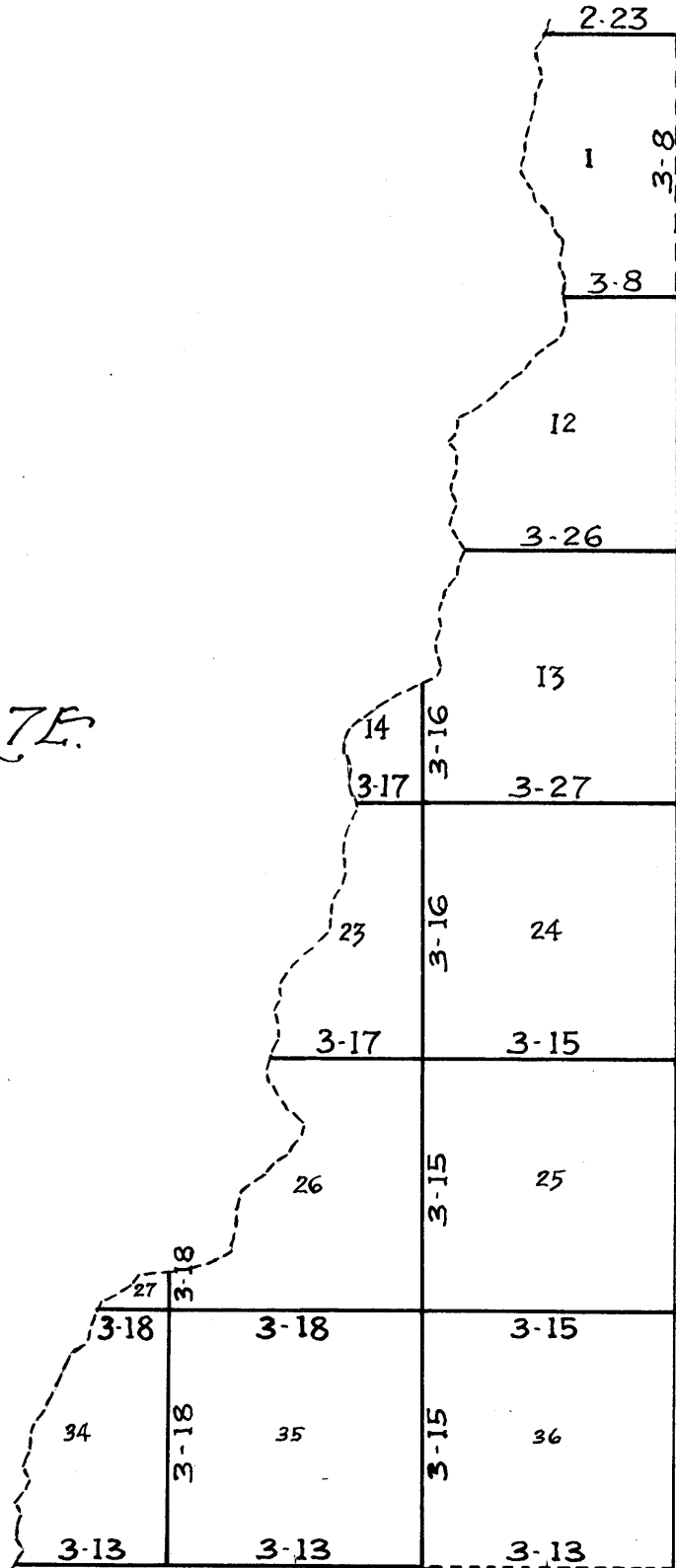
= Book "F"

Group 134 Arizona

DATE DIAGRAM

1926

T.19S. R.7E.



- Surveyed by W.H.Thorn, U.S. Cadastral Engineer, on dates shown thereon.
- Resurveyed by W.H.Thorn, U.S.C.E., on dates shown thereon.
- - - - - Retraced by W.H.Thorn, U.S.C.E., on dates shown thereon.
- Surveyed by Otis O. Gould, U.S. Transitman on dates shown thereon.
- Accepted surveyed lines.
- - - - - Papago Indian Reservation Bdy. surveyed by Otis O. Gould, U.S. Transitman, under Group 100, Notes in Book "P".

Surveys herein described were executed on dates shown on diagram on page 2 hereof, by William H. Thorn, U. S. Cadastral Engineer, and Otis O. Gould, U. S. Transitman, using Young and Sons light mountain transits Nos. 8592 and 8541, respectively, each equipped with full vertical circle and Smith Solar attachment; unless otherwise specified all azimuth determinations were accomplished with the solar attachments.

PRELIMINARY TEST OF INSTRUMENTS

by

William H. Thorn, U. S. Cadastral Engineer.

March 12, 1926: Examine the adjustments of the transits and correct all errors, then to test the solar apparatus, by comparing their indications, resulting from observations made during a. m., and p. m. hours, with a meridian established by Polaris observations, proceed as follows:

At camp near the quarter-section cor. of secs. 25 and 30, T. 19 S., Rs. 7 and 8 E., Gila and Salt River Base and Meridian, Arizona, at 8 h. 13 m., a. m., l. m. t., latitude $31^{\circ} 44' 41''$ N., longitude $111^{\circ} 34' 13''$ W., using Young and Sons transit No. 8592, observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined on a peg driven firmly in the ground 5.00 chs. N.

Azimuth of Polaris at eastern elongation = $1^{\circ} 16' 55''$.

Lay off the azimuth of Polaris $1^{\circ} 17'$ to the west, using for a reference point a notch in a rock on the north side of Baboquivari Peak, which bears N. $30^{\circ} 29' W.$, and mark a point in the true meridian thus determined on a peg driven firmly in the ground 5.00 chs. N. of station.

At 9 h. 00 m., a. m., app. t., set off $31^{\circ} 44\frac{1}{2}'$ N., on lat. arcs, $3^{\circ} 25' S.$, on decl. arcs, and determine a meridian with each solar, both of which agree with the true meridian.

At 2 h. 00 m., p. m. App. t., set off $31^{\circ} 44\frac{1}{2}'$ N., on lat. arcs, $3^{\circ} 20' S.$, on decl. arcs, and determine a meridian with each solar, both of which agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1' 00''$ of the true meridian, conclude that the adjustments of the instruments are satisfactory.

Unless otherwise specified, all measurements are made with Lufkin steel tapes, 5.00 chains in length, compared with a Lufkin 1-chain 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 Part of the East Boundary of T. 19 S., R. 7 E.

Chains The east bdy. of T. 19 S., R. 7 E., was surveyed in 1918 by J. P. Davis, U. S. S., establishing quarter-section and sec. cor. monuments alternately at intervals of 40.00 chains, counting from the cor. of Ts. 19 and 20 S., Rs. 7 and 8 E. No retracement or resurvey of any part of this township is of record.

The following notes describe a retracement of the line between secs. 1 and 6.

The original cor. of secs. 1, 6, 7 and 12 is an iron post, 2 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.

Thence

North, on random line, bet. secs. 1 and 6 (S. $\frac{1}{2}$)

Over mountainous land, thru dense undergrowth.

Asc. 60 ft. over SE. slope.

2.20 Spur, slopes NE. Desc. 250 ft. over N. slope.

8.55 Head of large ravine, course NE. Asc. 100 ft. over SE. slope.

18.00 Spur, slopes NE. Desc. 507 ft. over NW. slope.

30.30 Ravine, course NE. Asc. 150 ft. over SE. slope to

38.00 Desc. 43 ft. over E. slope to

40.20 Fall $3\frac{1}{2}$ lks. E. of the orig. $\frac{1}{4}$ sec. cor. of secs. 1 and 6, which is an iron post, 1 in. in diam., projecting 16 ins. above ground, firmly set in ground and md. of stone, properly marked on brass cap and witnessed by a mound of stone W. of cor. No bearing trees.

True course and dist. of S. $\frac{1}{2}$ of line bet. secs.

1 and 6 are therefore N. $0^{\circ} 3' W.$, 40.20 chs

Thence

North, on random line, bet. secs. 1 and 6 (N. $\frac{1}{2}$).

Over mountainous land, thru dense undergrowth.

Desc. 40 ft. over E. slope to

1.92 Spur, slopes NE. Desc. 325 ft. over NW. slope.

15.40 Ravine, course NE. Asc. 195 ft. over SE. slope.

24.78 Spur, slopes NE. Desc. 287 ft. over NW. slope.

37.40 Ravine, course NE. Asc. 50 ft. over SE. slope to

41.92 Fall 5 lks. E. of the cor. of Ts. 18 and 19 S., Rs. 7 and 8 E., described in Book "D" of this group.

True course and dist. of N. $\frac{1}{2}$ of line bet. secs. 1 and 6 are, therefore, N. $0^{\circ} 4' W.$, 41.92 chs.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, scrub oak, mesquite, catclaw and palo verde and cactus.

Resurvey of Part of South Boundary of T. 19 S., R. 7 E.

Chains The east one mile of the south boundary of T. 19 S., R. 7 E., was surveyed in 1902 by F. B. Jacobs, U. S. D. S., establishing the quarter-section and section corner at 40.00 and 80.00 chains W., respectively, from the township corner. Both of said cors. were established with a common reference to areas on both sides of the line.

No retracement or resurvey of this portion of the line is of record, however, in 1902, F. B. Jacobs, U. S. D. S., surveyed part of the subdivision lines of T. 20 S., R. 7 E., and established a closing cor. on this township bdy. for secs. 1 and 2, T. 20 S., R. 7 E., thus changing the section and quarter-section corner on the township boundary to refer to areas N. of line only. The record of Surveyor Jacobs' establishment of said closing cor. makes no mention of his having made any physical change in the cor. monuments on the township boundary, however.

The cor. of Ts. 19 and 20 S., Rs. 7 and 8 E., was reconstructed in original position, by J. P. Davis, U. S. S., in 1918, in connection with his completion of survey of T. 19 S., R. 8 E.

The west five miles of the south boundary of T. 19 S., R. 7 E., have never been surveyed, and the portion of same situate E. of the boundary of the Papago Indian Reservation is surveyed under instructions for Group No. 134, Arizona, as hereinafter described.

The following notes describe a resurvey of the S. bdy. of sec. 36, T. 19 S., R. 7 E., reconstructing the orig. sec. and quarter-section corner, and altering both to refer to areas north of line only.

Retracement for Resurvey.

From cor. of Ts. 19 and 20 S., Rs. 7 and 8 E., hereinafter described.

39.98 West, on random line, on S. bdy. of sec. 36 (E. 1/4). Intersect the original quarter-section corner of secs. 1 and 36, hereinafter described.

True course and distance of east half of south boundary of sec. 36 are, therefore, West, 39.98 chs.

Thence West, on random line, on S. bdy. of sec. 36 (W. 1/4).

37.84 Fall 5 lks. N. of the closing cor. of secs. 1 and 2, T. 20 S., R. 7 E., hereinafter described. Continue line and measurement.

39.93 Fall 5 lks. N. of the orig. cor. of secs. 1, 2, 35 and 36, hereinafter described.

True course and dist. of W. 1/4 of S. bdy. of sec. 36, are therefore S. 89° 56' W., 39.93 chs., and the closing cor. of secs. 1 and 2 is on line.

RESURVEY.

The cor. of Ts. 19 and 20 S., Rs. 7 and 8 E., is a granite stone, 10 x 10 x 10 ins. above ground, mkd. with 6 notches on each of E., W., N. and S. faces, firmly set, and witnessed by a mound of stone 2 ft. base, 1 1/2 ft. high, S. of cor. No bearing trees.

Note: The record of the reconstruction of this township corner by J. P. Davis, U. S. S., in 1918, describes the setting of a 3-inch iron post alongside the orig-

Resurvey of Part of South Boundary of T. 19 S., R. 7 E.

Chains	inal cor. stone, with brass cap properly marked for four townships. Diligent search in this vicinity fails to locate this iron post.
	Thence
	West, on true line, on S. bdy. of sec. 36 (E. $\frac{1}{2}$).
	Over mountainous land, thru scattering undergrowth.
	Ascend 213 ft. over E. slope.
11.00	Spur, slopes S. Desc. 155 ft. over steep W. slope to
17.84	Foot of steep slope hrs. N. and S. Enter rolling land.
	Desc. 80 ft. over gradual West slope.
22.10	Intersect fence cor. from which barbed wire fence extends W. and S. Thence along N. side of barbed wire fence, bearing E. and W.
26.00	From this point a ranch house hrs. South about 20.00 chs. dist.
34.50	Wash, 20 lks. wide, course South.. Asc. 20 ft. over gradual SE. slope to
39.00	Desc. slightly over SW. slope to
39.98	Intersect the original quarter-section cor. of secs. 1 and 36, which is a granite stone 10 x 8 x 6 ins. above ground, marked quarter on N. face, firmly set, and witnessed by one of the original bearing trees: A mesquite, 16 ins. in diam., S. 47° E., 51 lks. dist., mkd. $\frac{1}{4}$ S. 1 B T., and the Stump of the other original mesquite bearing tree which has been cut down and marking destroyed. This stump bears N. 73° E., 158 lks. dist. Reconstruct this cor. monument and alter its reference as follows: Alongside old cor. stone, set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 36, only, with brass cap marked INS. See
	<u>$\frac{1}{4}$ S 36</u> 1926
	Change marking on old SE. bearing tree to read BT. only. No other bearing tree available. Raise a md. of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high N. of cor. Thence S. 89° 56' W., on true line, on S. bdy. of sec. 36 (W. $\frac{1}{2}$) Over rolling land, thru scattering undergrowth, along N. side of barbed wire fence, bearing E. and W. Desc. slightly over SW. slope.
0.75	Draw, 15 lks. wide, course SE. Enter mountainous land. Asc. 182 ft. over E. slope.
15.50	Spur, slopes S. 30° E. Desc. 147 ft. over SW. slope.
24.00	Ravine, course S. Asc. 40 ft. over E. slope.
30.00	Spur, slopes SE. Desc.
37.20	Ravine, course SE. near head. Asc. 6 ft. over SE. slope to
37.84	Intersect the closing cor. of secs. 1 and 2, T. 20 S., R. 7 E., which is a granite stone, 12 x 10 x 8 ins. above ground, marked with 1 notch on E. face, 5 notches on W. face and CC. on S. face, firmly set, and witnessed by a mound of stone S. of cor. No bearing trees. Continue line and measurement. Asc. 26 ft. over SE. slope to
39.93	Intersect the orig. cor. of secs. 1, 2, 35 and 36, which is a granite stone, 10 x 10 x 10 ins. above ground, marked with 1 notch on E. face and 5 notches on W. face, firmly set, and witnessed by a mound of stone W. of cor. No bearing trees. Reconstruct this cor. monument and alter its reference as follows:

Resurvey of Part of South Boundary of T. 19 S., R. 7 E.

Chains Alongside old cor. stone set an iron post, 3 ft. long, 2 ins. in diam., .26 ins. in the ground, for cor. of secs. 35 and 36, only, with brass cap marked

T 19 S R 7 E
S 35 | S 36
S 2
T 20 S R 7 E
1926

No bearing trees available.
Destroy old md. of stone W. of cor. and raise a md. of stone, 3 ft. base, 2 ft. high N. of cor.
Fence cor. brs. West 10. lks. dist. from which barbed wire fence extends E. and N.
Millard Peak, brs. S. 10° 40' W.
Land, mountainous and rolling.
Soil, gravelly and rocky, 3rd and 4th rate.
Timber, none.
Undergrowth, scrub mesquite and catclaw and cactus.

Survey of Part of South Boundary of T. 19 S., R. 7 E.

- Chains The following notes describe the survey of that part of the S. bdy. of T. 19 S., R. 7 E., situate between the cor. of secs. 35 and 36 and the boundary of the Papago Indian Reservation.
- From the cor. of secs. 35 and 36, hereinbefore described: West, on a true line on S. bdy. of sec. 35. Over mountainous land, thru scattering undergrowth, along N. side of barbed wire fence bearing E. and W. Ascend 89 ft. over SE. slope.
- 0.10 Fence cor. from which barbed wire fence extends E. and N. Leave E. and W. fence.
- 6.50 Ridge, bears N. and S. Desc. 145 ft. over W. slope.
- 14.00 Wash, 40 lks. wide, course south, at east side of nearly level bottom of canyon. Enter scattering timber. Asc. 25 ft. to
- 22.00 West side of canyon, bears N. and S. Asc. 227 ft. over steep E. slope.
- 30.00 An incline shaft bears South 20 lks. dist.
- 31.00 Spur, slopes S. 30° E., from Oro Fino Hill. Desc. 75 ft. over broken SW. slope to $\frac{1}{4}$ sec. cor.
- 36.00 A large dump and shaft bear S. about 3.50 chs. dist.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 35 only, with brass cap marked

$\frac{1}{4}$ S 35
1926

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

From this $\frac{1}{4}$ sec. cor. U. S. Mineral Monument No. 1 of the Baboquivari Mining District, brs. N. 1° 05' W., 12.99 chs. dist., on top of Oro Fino Hill.

This mineral monument is a badly decayed wood post, 3 ins. in diam., set in a mound of stone, and witnessed by

A black oak, 12 ins. in diam., N. 29° W., 90 lks. dist., mkd. U. S. M. M. No. 1. and

A dead and fallen oak, 16 ins. in diam., S. 59 $\frac{3}{4}$ ° W., 130 lks. dist., marking not visible.

Reconstruct U. S. M. M. No. 1, as follows:

Remove the old mound of stone and in center of its position, reset old wood post, 12 ins. in the ground to bed rock, and alongside same set an iron pipe, 4 ft. long, 2 ins. in diam., 12 ins. in the ground, rebuild mound of stone, 3 ft. base, 2 ft. high around posts, and mark the iron pipe U S M M No 1 B D.

Baboquivari Peak, brs. N. 3° 10' E.

Millard Peak, brs. S. 20 $\frac{1}{2}$ ° E.

An old Indian fortification is situated near this mineral monument.

Cor. No. 1 of "Silver Gance" patented lode mining claim, Mineral Survey No. 755, bears N. 88 $\frac{1}{2}$ ° E., 29.17 chs. from U. S. M. M. No. 1.

Continue over mountainous land, thru scattering timber and undergrowth. Desc. 93 ft. over SW. slope.

54.50 Wash, 50 lks. wide, course SE. Enter rolling land. Asc. 104 ft. over gradual E. slope to

77.30 Enter mountainous land. Asc. 68 ft. over steep E. slope to

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

Survey of Part of South Boundary of T. 19 S., R. 7 E.

Chains

T 19 S R 7 E
 S 34 | S 35.
 S 3
 T 20 S R 7 E
 1926

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
 Land, mountainous and rolling.
 Soil, rocky clay, 3rd and 4th rate.
 Timber, oak, hackberry, sycamore and ash.
 Undergrowth, scrub oak, mesquite and catclaw and cactus.

West, on a true line, on S. bdy. of Sec. 34.
 Over mountainous land, thru scattering timber and undergrowth.

- Ascend 966 ft. over steep broken E. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., on bed rock, supported by mound of stone 4 ft. base, 2½ ft. high, for ¼ sec. cor., with brass cap marked

¼ S 34
 1926

From which

- A black oak, 8 ins. in diam., brs. N. 15° W., 45 lks. dist., marked ¼ S 34 B T.
 A black oak, 10 ins. in diam., brs. S. 73½° E., 14 lks. dist., marked B T only. Asc. 58' over E. slope to
 42.50 Point of large spur, slopes S. 30° E. Asc. gradually over S. slope to
 47.94 Summit of main ridge of the Baboquivari Mountains brs. NE. and SW.

Intersect the boundary of the Papago Indian Reservation at a point 2.20 chs. S. 73° W., from the 15 Mile Monument thereon, described in Book "P" of Group No. 100.

At this point of intersection, set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground for closing cor. of Ts. 19 and 20 S., R. 7 E., with brass cap marked

R T 19 S
 R 7 E
 I S 34 C C
 P S 3
 T 20 S R 7 E
 1926

From which

- A black oak, 16 ins. in diam., brs. N. 89° E., 38 lks. dist. marked T 19 S R 7 E S 34 C C B T.
 A white oak, 12 ins. in diam., brs. S. 24½° E., 73 lks. dist., marked T 20 S R 7 E S 3 C C B T.
 A flag at the angle point on Baboquivari Peak, brs. N. 21° 23' E.
 Millard Peak, brs. S. 61½° E.
 Land, mountainous.
 Soil, rocky clay, 3rd and 4th rate.
 Timber, oak, mesquite and cat claw.
 Undergrowth, scrub oak, mesquite and catclaw and cactus.

Survey of Part of North Boundary of T. 19 S., R. 7 E.

Chains The following notes describe the survey of that part of the N. bdy. of T. 19 S., R. 7 E., situate east of the boundary of the Papago Indian Reservation.

From the cor. of Ts. 18 and 19 S., Rs. 7 and 8 E., as described in Book "D" of this group,
West, on a true line, bet. fractional secs. 1 and 36.
Over mountainous land, thru scattering timber and dense undergrowth. Ascend 96 ft. over SE. slope.
5.00 Spur, slopes to NE. Desc. 42 ft. over NW. slope.
10.00 Ravine, course NE. Asc. 403 ft. over NE. slope to
40.00 Set a granite stone 24 x 10 x 6 ins., 18 ins. in the ground (no iron post available) for $\frac{1}{4}$ sec. cor. of secs. 1 and 36, marked $\frac{1}{4}$ S 36 on N. face, S 1 on S. face.

From which

A white oak, 14 ins. in diam., brs. N. 19° E., 100 lks. dist., marked $\frac{1}{4}$ S 36 B T.

A white oak, 14 ins. in diam. brs. S. 65° E., 18 lks. dist., marked $\frac{1}{4}$ S 1 B T.

Continue over mountainous land, thru scattering timber and dense undergrowth. Asc. 47 ft. over NE. slope to
42.54 Summit of main ridge of the Baboquivari Mts. brs. NE. and SW.

Intersect the boundary of the Papago Indian Reservation at a point 4.60 chs. S. $15\frac{1}{2}^{\circ}$ W. from 8th A. P. (not monumented) of N. $\frac{1}{4}$ of 8th Mile of said boundary, or by traverse on bdy. from $7\frac{1}{2}$ Mile monument as follows:

N. $11\frac{1}{2}^{\circ}$ W.; 2.10 chs. to A. P. 10,

Thence

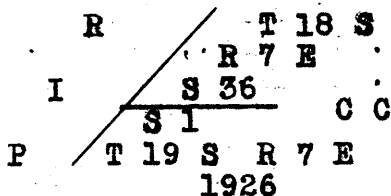
N. $63\frac{1}{4}^{\circ}$ E., 2.10 chs. to A. P. 9,

Thence

N. $15\frac{1}{4}^{\circ}$ E., 2.20 chs. to point of intersection with township boundary.

At point of intersection,

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground for closing cor. of Ts. 18 and 19 S., R. 7 E., with brass cap marked



From which

A juniper, 36 ins. in diam., brs. N. 32° E., 28 lks. dist., marked T 18 S R 7 E S 36 C C B T.

A white oak, 8 ins. in diam., brs. S. 75° E., 54 lks. dist., marked T 19 S R 7 E S 1 C C B T.

Land, mountainous.

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

Timber, oak and juniper.

Undergrowth, scrub oak, mesquite, catclaw and cactus.

Survey of Part of Subdivision Lines of T. 19 S., R. 7 E.

Chains The following notes describe the survey of all the subdivision lines of that portion of T. 19 S., R. 7 E., situated outside the Papago Indian Reservation, the boundary of which follows the summit of the main ridge or divide of the Baboquivari Mountains in a northerly and southerly bearing thru the E. 1/2 of said township. Closing corners are established at all points on the Reservation Boundary where the same is intersected by subdivision lines.

From cor. of secs. 35 and 36, on the S. bdy. of the township, hereinbefore described.

N. 0° 1' W., on a true line, bet. secs. 35 and 36.

Over mountainous land, thru scattering timber and undergrowth, parallel to wire fence 10 lks. W. Asc. 160 ft. over SE. slope to

10.80 Intersect S. side line (2-3) of "Silver Glance" patented lode mining claim, Mineral Survey No. 755 at 4.38 chs. S. 86° 22' W. from Cor. No. 3 and 13.64 chs. N. 86° 22' E. from Cor. No. 2. Thence across said mining claim. Ascend 152 ft. over SE. slope.

16.00 Ridge, brs. NE. and SW. Desc. 57 ft. over broken NW. slope to

18.12 Intersect N. side line (5-6) of "Silver Glance" patented lode mining claim, at a point 9.34 chs. S. 86° 22' W. from cor. No. 5 and 8.68 chs. N. 86° 22' E. from Cor. No. 6. Leave patented mineral land. Desc. 184 ft. over NW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor. of secs. 35 and 36, with brass cap marked

S 35 | S 36
1926

From which

A white oak 16 ins. in diam., bears N. 59° E., 102 lks. dist. marked 1/4 S 36 B T.

Catclaw 6 ins. in diam., brs. N. 46° W., 50 lks. dist. marked 1/4 S 35 B T.

Desc. 9 ft. over NW. slope to

40.50 Small ravine, course NW. Desc. 34 ft. over NW. slope to

46.30 Wash, 40 lks. wide, course SW. Asc. 385 ft. over broken SE. slope.

53.00 A shaft and mine workings bear E. about 15.00 chs. dist.

74.00 Point of large spur, slopes east. Desc. 157 ft. over NE. slope to sec. cor.

75.50 Barbed wire fence bears E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 25, 26, 35 and 36, with brass cap marked

T 19 S R 7 E
S 26 | S 25
S 35 | S 36
1926

From which

A black oak, 20 ins. in diam., brs. N. 89 1/2° E., 185 lks. dist., marked T 19 S R 7 E S 25 B T.

A mesquite, 8 ins. in diam., bears S. 75° E., 37 lks. dist., marked T 19 S R 7 E S 36 B T.

No other bearing tree available.

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

Survey of Part of Subdivision Lines of T. 19 S., R. 7 E.

Chains Soil, rocky, 3rd and 4th rate.
 Timber, oak.
 Undergrowth, scrub oak, mesquite and catclaw and cactus.

-
- East, on a random line, bet. secs. 25 and 36.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Fall 11 lks. N. of the cor. of secs. 25, 30, 31 and 36,
 on the E. bdy. of the township which is an iron post
 2 ins. in diam., projecting 30 ins. above ground,
 firmly set in ground and mound of stone, properly
 marked on brass cap and witnessed by a mound of stone
 W. of cor. No bearing trees.
- Thence
 N. $89^{\circ} 55'$ W., on a true line, bet. secs. 25 and 36.
 Over mountainous land, thru very scattering timber and
 scattering undergrowth. Asc. 123' over NE. slope.
 6.17 Wire fence, bears N. and S.
 11.02 Bend in top of spur, slopes S. 60° E., from S. 60° W.
 Desc. 135 ft. over NW. slope.
 19.32 Ravine, course NE. Asc. 188 ft. over SE. slope to
 40.01 Set an iron post, 3 ft. long, 1 in. in diam., 4 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 4 ft. base, 2 ft. high, around post, for $\frac{1}{4}$ sec.
 cor. of secs. 25 and 36, with brass cap marked

$\frac{1}{4}$ $\frac{S 25}{S 36}$

1926

- No bearing trees available. Asc. 144 ft. over SE. slope.
 46.72 Spur, slopes NE. From this point a flag on Baboquivari
 Peak, bears N. $18^{\circ} 20'$ W. Asc. 50 ft. over N. and
 NE. slopes to
 55.02 Ridge, bears N. and S. 20° E. Desc. 103 ft. over broken
 SW. slope.
 77.52 Wash, 30 lks. wide, course SE. Asc. 52 ft. over NE.
 slope to
 80.02 The cor. of secs. 25, 26, 35 and 36.
 Land, mountainous.
 Soil, rocky, 3rd and 4th rate.
 Timber, oak.
 Undergrowth; scrub oak, mesquite and catclaw and cactus.

-
- N: $0^{\circ} 1'$ W., on a true line, bet. secs. 25 and 26.
 Over mountainous land, thru scattering timber and under-
 growth. Desc. 75 ft. over NE. slope.
 3.00 Wash; 30 lks. wide, course SE. Asc. 857 ft. over steep
 broken S. slope.
 35.45 Ridge, brs. NW. and SE., with spur sloping E. from this
 point.
 Raise a mound of stone, 3 ft. base, 2 ft. high, on line,
 at this point. Desc. 160 ft. over NE. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., on bed
 rock, supported by mound of stone, 4 ft. base, $2\frac{1}{2}$ ft.
 high, for $\frac{1}{4}$ sec. cor. with brass cap marked

$\frac{1}{4}$
 S 26 | S 25

1926

From which

Survey of Part of Subdivision Lines of T. 19 S., R. 7 E.

- Chains
 A white oak, 14 ins. in diam., bears S. $9\frac{1}{2}^{\circ}$ E., 61 lks. dist., marked $\frac{1}{4}$ S 25 B T.
 A white oak, 10 ins. in diam., bears S. $15\frac{1}{2}^{\circ}$ W., 73 lks. dist., marked $\frac{1}{4}$ S 26 B T.
 Desc. 99 ft. over NE. slope.
 46.00 Head of ravine, course N. 60° E. Asc. 89 ft. over broken SE. slope.
 56.00 Spur slopes N. 60° E. Desc. 575 ft. over steep NW. slope.
 74.00 Ravine, course N. 60° E. Asc. 140 ft. over broken SE. slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 23, 24, 25 and 26, with brass cap marked

T 19 S R 7 E
 S 23 | S 24
 S 26 | S 25
 1926

No bearing trees available.
 Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high W. of cor. Land, mountainous.
 Soil, rocky clay, 3rd and 4th rate.
 Timber, oak.
 Undergrowth, scrub oak, mesquite and catclaw and cactus.

- East, on a random line, bet. secs. 24 and 25.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Fall 20 lks. south of the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the township, which is an iron post, 2 ins. in diam., projecting 26 ins. above ground, properly marked on brass cap, firmly set in ground and md. of stone, and witnessed by a md. of stone W. of cor.
 No bearing trees.
 Thence
 S. $89^{\circ} 51'$ W., on a true line, bet. secs. 24 and 25.
 Over mountainous land, thru scattering timber and dense undergrowth. Desc. 104 ft. over SW. slope.
 7.76 Ravine, course S. 20° W. Asc. 70 ft. over SE. slope.
 16.90 Spur, slopes S. Desc. 80 ft. over W. slope.
 21.75 Draw, course S. Asc. 35 ft. over SE. slope.
 24.19 Point of spur, slopes S. Desc. 50 ft. over SW. slope.
 26.98 Ravine, course south. Asc. 73 ft. over E. slope.
 31.00 Spur, slopes to south. Desc. 128 ft. over SW. slope to
 39.99 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 24 and 25, with brass cap marked

$\frac{1}{4}$ $\frac{S 24}{S 25}$
 1926

- From which
 A white oak, 16 ins. in diam., brs. N. $22\frac{1}{2}^{\circ}$ E., 199 lks. dist., mkd. $\frac{1}{4}$ S 24 B T.
 A white oak, 24 ins. in diam., brs. S. 87° W., 253 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.
 Desc. 25 ft. over SW. slope.
 44.68 Wash, 30 lks. wide, in bottom of Thomas Canyon, course S. 30° E. Asc. 155 ft. over E. slope.
 49.98 Point of spur, slopes SE. Desc. 30 ft. over SW. slope.
 54.48 Ravine, course SE. Asc. 24 ft. over E. slope.
 58.98 Point of spur, slopes SE. Desc. 34 ft. over SW. slope.

Survey of Part of Subdivision Lines of T. 19 S., R. 7 E.

- Chains
- 62.00 Wash, course SE.. Asc. 295 ft. over steep SE. slope to
79.98 The cor. of secs. 23, 24, 25 and 26.
Land, mountainous.
Soil, rocky clay, 3rd. and 4th rate.
Timber, oak, hackberry, sycamore, walnut and ash.
Undergrowth, scrub oak, mesquite and catclaw, pampas
grass, ocotillo and cactus.
-
- N. 0° 1' W., on a true line, bet, secs. 23 and 24.
Over mountainous land, thru scattering timber and under-
growth. Asc. 160 ft. over SE. slope.
- 5.00 Spur, slopes east. Desc. 209 ft. over NE. slope.
15.40 Ravine, course SE. Asc. 587 ft. over broken S. slope.
37.70 Spur, slopes S. 70° E. Desc. 50 ft. over steep NE.
slope to
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in
the ground, to bed rock, and raise a mound of stone,
4 ft. base, 1 ft. high, around post for $\frac{1}{4}$ sec. cor. of
secs. 23 and 24, with brass cap marked
- $\frac{1}{4}$
 S 23 | S 24
 1926
- From which
- A white oak, 10 ins. in diam., brs. N. 13° W., 6 lks.
dist., marked $\frac{1}{4}$ S 23 B T.
A white oak, 12 ins. in diam., brs. S. 49 $\frac{1}{2}$ ° E., 14
lks. dist., marked $\frac{1}{4}$ S 24 B T.
Desc. 230 ft. over steep NE. slope.
- 45.60 Ravine, course S. 70° E. Asc. 403 ft. over broken SW.
slope.
- 55.30 A mound of stone, bears E. 30 lks. dist.
62.90 Spur, slopes SE. Desc. 130 ft. over NE. slope.
70.00 Ravine, course SE. Asc. 176 ft. over SW. slope.
77.00 Spur, slopes SE. Desc. 66 ft. over NE. slope.
78.00 Ravine, course S. 80° E. Asc. 38 ft. over S. slope to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on sur-
face rock and raise a mound of stone 4 ft. base, 2 $\frac{1}{2}$
ft. high, around post, for cor. of secs. 13, 14, 23
and 24, with brass cap marked

T 19 S R 7 E
 S 14 | S 13
 S 23 | S 24
 1926

- From which
- A black oak, 10 ins. in diam., brs. N. 49° E., 70 lks.
dist., marked T 19 S R 7 E S 13 B T.
A white oak, 16 ins. in diam., brs. S. 66 $\frac{1}{2}$ ° E., 17
lks. dist., marked T 19 S R 7 E S 24 B T.
A white oak, 16 ins. in diam., brs. S. 74° W., 25 lks.
dist., marked T 19 S R 7 E S 23 B T.
A white oak, 10 ins. in diam., brs. N. 10° W., 23 lks.
dist., marked T 19 S R 7 E S 14 B T.
- Land, mountainous.
Soil, rocky, 4th rate.
Timber, oak.
Undergrowth, scrub oak, mesquite and catclaw, cactus and
pampas grass.
-

Survey of Part of Subdivision Lines of T. 19 S., R. 7 E.

- Chains East, on a random line, bet. secs. 13 and 24.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.28 Fall 12 lks. S. of the cor. of secs. 13, 18, 19 and 24 on the E. bdy. of the township, which is an iron post, 2 ins. in diam., projecting 10 ins. above ground, properly marked on brass cap, firmly set, and witnessed by a mound of stone W. of cor. No bearing trees.
- Thence
S. $89^{\circ} 55'$ W., on a true line, bet. secs. 13 and 24.
Over mountainous land, thru scattering timber and dense undergrowth. Asc. 557 ft. over SE. slope.
- 19.00 Spur, slopes NE... Asc. 218 ft. over steep N. slope, along top of cliff 200 ft. high, bearing E. and W., facing N.
- 29.74 Ridge, brs. NW. and SE. Desc. 293 ft. over SW. slope to
- 40.14 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 13 and 24, with brass cap marked

$\frac{1}{4}$ $\frac{S 13}{S 24}$
1926

From which

- An oak, 10 ins. in diam., brs. N. 28° E., 36 lks. dist., mka. $\frac{1}{4}$ S 13 B T.
- An oak, 14 ins. in diam., brs. S. $26\frac{1}{2}^{\circ}$ W., 59 lks. dist., mka. $\frac{1}{4}$ S 24 B T.
- Desc. 100 ft. over steep broken SW. slope to
- 46.68 Top of cliff, 70 ft. high, brs. NW. and SE., facing SW. Desc. 550. ft. over SW. slope.
- 73.28 Bottom of Thomas Canyon, 75 lks. wide, course SE. Asc. 123 ft. over SE. and S. slopes to
- 80.28 The cor. of secs. 13, 14, 23 and 24.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, oak.
Undergrowth, scrub oak, mesquite and catclaw and cactus.
-
- N. $0^{\circ} 1'$ W., on a true line, between those parts of secs. 13 and 14 situated outside the Papago Indian Reservation.
- Over mountainous land, thru scattering timber and dense undergrowth. Asc. 73 ft. over steep S. slope to
- 2.50 Point of spur, slopes SE. Asc. 30 ft. over E. slope to
- 7.20 Desc. 35 ft. over NE. slope.
- 11.00 Bottom of Thomas Canyon, 50 lks. wide, containing a small stream of water, course SE. Asc. 1050 ft. over steep SW. slope to
- 38.00 Summit of main ridge or divide of the Baboquivari Mountains, bearing NE. and SW.
- At this point intersect the boundary of the Papago Indian Reservation at Angle Point No. 16 of north half of the 11th Mile of said boundary, and at 3.00 chs. N. $76\frac{1}{2}^{\circ}$ E., from the 10 $\frac{1}{2}$ Mile monument, described in Book "P" of Group No. 100.
- At this point of intersection set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to bed rock and raise a mound of stone, 4 ft. base, 1 $\frac{1}{2}$ ft. high, around post, for closing cor. of secs. 13 and 14, and A. P. of P. I. R. Boundary, with brass cap marked

Survey of Part of Subdivision Lines of T. 19 S., R. 7 E.

Chains

P I R
A P
S 14 | S 13
T 19 S | R 7 E
CC
1926

From which

A white oak, 10 ins. in diam., brs. S. 6° E., 25 lks. dist., mkd. T 19 S R 7 E S 13 C C B T.

A white oak, 10 ins. in diam., brs. S. 6° W., 28 lks. dist., mkd. T 19 S R 7 E S 14 C C B T.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, oak, pine, walnut, ash and sycamore.

Undergrowth, scrub oak and catclaw and laurel.

The cor. of secs. 7, 12, 13 and 18, on the east boundary of the township is an iron post, 2 ins. in diam., projecting 10 ins. above ground, properly marked on brass cap, firmly set and witnessed by a mound of stone W. of cor.

To further insure the permanency of this cor. monument, establish a bearing tree as follows:

A white oak, 14 ins. in diam., brs. S. 43½° W., 27 lks. dist., mkd. T 19 S R 7 E S 13 B T.

No other bearing tree available.

Thence

West, on a true line, bet. that part of secs. 12 and 13 outside the Papago Indian Reservation.

Over mountainous land, thru scattering timber and dense undergrowth. Asc. 17 ft. over S. slope to

10.00 Ravine, course SE. Asc. 554 ft. over steep, broken NE. slope.

26.00 Point of spur, slopes NE. Desc. 25 ft. over NW. slope.

28.78 Ravine, course NE. Asc. 223 ft. over steep NE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. of secs. 12 and 13, with brass cap marked

¼ S 12
S 13
1926

From which

A pine, 8 ins. in diam., brs. N. 60° E., 10 lks. dist. marked ¼ S 12 B T.

An oak, 12 ins. in diam., brs. S. 60° W., 36 lks. dist., marked ¼ S 13 B T.

Asc. 490 ft. over steep NE. slope to

57.80 Ravine, course NE. Asc. 423 ft. over steep SE. slope to

67.96 Summit of main ridge or divide of the Baboquivari Mountains, bearing NE. and SW.

At this point intersect the Papago Indian Reservation bdy. at 86 lks. S. 21½° W., from angle point No. 6 (not monumented) of south half of 10th mile of said boundary, or traverse on Reservation boundary from the 10th Mile monument, as follows:

N. 44½° E., 2.90 chs.,

N. 77° E., 0.60 "

N. 6½° E., 5.50 "

N. 54½° E., 1.60 "

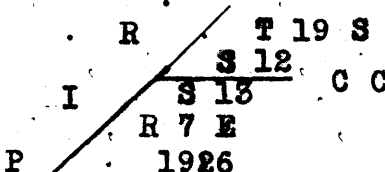
N. 4° W., 2.20 "

N. 21½° E., 2.04 "

Survey of Part of Subdivision Lines of T. 19 S., R. 7 E.

Chains The 10th Mile monument and survey of P. I. R. Bdy. are described in Book "P" of Group No. 100.

At this point of intersection set an iron post, 3 ft. long, 2 ins. in diam., on surface rock, deposit a stone marked with a cross (X) at base of post, and raise a mound of stone, 4 ft. base, 2½ ft. high, around post, for closing cor. of secs. 12 and 13, with brass cap marked



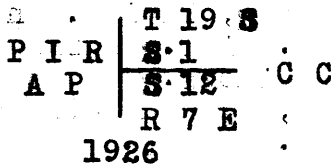
No bearing trees available.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, oak and walnut.
 Undergrowth, scrub oak and wild cherry and service brush.

From the cor. of secs. 1, 6, 7 and 12, on the east bdy. of the township, hereinbefore described, West, on a true line, bet. these parts of secs. 1 and 12 situated outside the Papago Indian Reservation. Over mountainous land, thru very scattering timber, and dense undergrowth.

- Ascend 351 ft. over steep SE. slope.
- 9.90 Spur, slopes NE. Desc. 186 ft. over NW. slope.
- 15.00 Head of ravine, course NE. Asc. 938 ft. over steep broken E. slope to
- 36.40 Summit of main ridge or divide of the Baboquivari Mountains, brs. N. 9° W., and S. 4° E.

This point is the intersection with the boundary of the Papago Indian Reservation at Angle Point No. 1 of the South half of the 9th mile of said boundary and 4.30 chs. S. 9½° E. from the 8½ Mile monument, described in Book "P" of Group No. 100.

At this point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 10 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, 5 ft. base, 2 ft. high, around post for closing corner of secs. 1 and 12, and angle point of Reservation Boundary, with brass cap marked



No bearing trees available.
 Angle Point No. 2, on top of Fresnal Peak bears S. 4° E., 12.40 chs. dist.
 Land; mountainous.
 Soil, rocky, 4th rate.
 Timber, oak and pine.
 Undergrowth, scrub oak, wild cherry, service brush and cactus.

Survey of Part of Subdivision Lines of T. 19 S., R 7 E.

Chains From the cor. of secs. 34 and 35, on the S. bdy. of the township, hereinbefore described:
 N. $0^{\circ} 1' W.$, on a true line, bet. secs. 34 and 35.
 Over mountainous land, thru scattering timber and undergrowth
 Ascend gradually over steep broken E. slope.

1.00 A stake in a mound of stone, bears west 40 lks. dist.
 15.77 A stake, set in a small mound of stone, on line at this point.
 27.40 Ravine, course east. Asc. 75 ft. over SE. slope.
 33.00 Point of spur, slopes E. Desc. 85 ft. over NE. slope.
 38.00 Wash, 30 lks. wide, in ravine, course SE. Asc. 30 ft. over broken SW. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of secs. 34 and 35, with brass cap marked

$\frac{1}{4}$
 S 34. | S 35
 .1926

From which

A black oak, 14 ins. in diam., brs. S. $1\frac{1}{2}^{\circ} E.$, 139 lks. dist., marked $\frac{1}{4}$ S 35 B T.
 A black oak, 14 ins. in diam., bears N. $79^{\circ} W.$, 114 lks. dist., marked $\frac{1}{4}$ S 34 B T.
 Asc. 423 ft. over steep broken SW. slope to
 54.00 Top of cliff, 50 ft. high, bearing NW. and SE., facing SW.
 Asc. gradually over bench, bearing NW. and SE.
 61.60 Leave bench. Asc. 607 ft. over steep SW. slope to
 75.00 Ascend 30 ft. over gradual S. slope to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, and raise a mound of stone 3 ft. base, $1\frac{1}{2}$ ft. high around post for cor. of secs. 26, 27, 34 and 35, with brass cap marked

T 19 S R 7 E
 S 27 | S 26
 S 34 | S 35
 1926

From which

A black oak, 12 ins. in diam., bears N. $65^{\circ} E.$, 52 lks. dist., marked T 19 S R 7 E S 26 B T.
 A white oak, 6 ins. in diam., brs. S. $31\frac{1}{2}^{\circ} E.$, 146 lks. dist., marked T 19 S R 7 E S 35 B T.
 A black oak, 12 ins. in diam., brs. S. $38^{\circ} W.$, 254 lks. dist., marked T 19 S R 7 E S 34 B T.
 A black oak, 12 ins. in diam., brs. N. $42\frac{1}{2}^{\circ} W.$, 170 lks. dist., marked T 19 S R 7 E S 27 B T.
 Land, mountainous.
 Soil, rocky, 3rd and 4th rate.
 Timber, oak.
 Undergrowth, scrub oak, mesquite and catclaw and cactus.

East, on a random line, bet. secs. 26 and 35.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Fall 10 lks. N. of cor. of secs. 25, 26, 35 and 36.
 Thence
 N. $89^{\circ} 56' W.$, on a true line, bet. secs. 26 and 35.
 Over mountainous land, thru scattering timber and undergrowth. Asc. 576 ft. over steep NE. slope.
 24.89 From this point a flag on top of Baboquivari Peak, brs. N. $0^{\circ} 30' W.$
 29.46 Large spur, slopes SE. Desc. 51 ft. over SW. slope to
 35.08 Asc. 70 ft. over steep S. slope to
 39.98 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins.

Survey of Part of Subdivision Lines of T. 19 S., R. 7 E.

Chains in the ground to bed rock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone 3 ft. base, 2 ft. high, around post for 1/4 sec. cor. of secs. 26 and 35, with brass cap marked

1/4 S 26
1/4 S 35
1926

No bearing trees available. Desc. 21 ft. over SW. slope to

42.30 Asc. 60 ft. over S. slope to

54.50 Desc. 28 ft. over SW. slope.

57.96 Head of ravine, course S. 70° E. Asc. 290 ft. over NE. slope.

70.46 Large spur, slopes SE. Desc. 33 ft. over SW. slope to

73.00 Asc. gradually over S. slope to

79.96 The cor. of secs. 26, 27, 34 and 35.

Land, mountainous.

Soil, rocky, 3rd and 4th rate.

Timber, oak and pine.

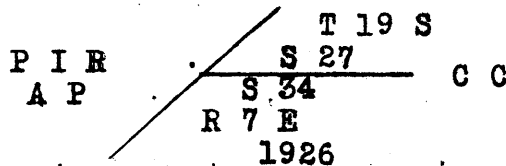
Undergrowth, scrub oak, mesquite and catclaw, and cactus.

West, on a true line, bet. those parts of secs. 27 and 34, situated outside the Papago Indian Reservation. Over mountainous land, thru scattering timber and undergrowth. Asc. gradually over broken S. slope to

16.00 Asc. 250 ft. over steep SE. slope to.

23.09 Summit of the main ridge or divide of the Baboquivari Mountains, brs. NE. and SW. This point is at intersection with the boundary of the Papago Indian Reservation at Angle Point No. 9 of the south half of the 14th mile of said boundary.

At point of intersection, set an iron post 3 ft. long, 2 ins. in diam., on surface rock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone, 4 ft. base, 3 ft. high, around post for closing cor. of secs. 27 and 34, and angle point of Reservation Boundary, with brass cap marked



No bearing trees available.

Land, mountainous.

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

Timber, oak.

Undergrowth, scrub oak, mesquite and catclaw and cactus.

N. 0° 1' W., on a true line, bet. those parts of secs. 26 and 27, situated outside the Papago Indian Reservation.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 212 ft. over steep S. slope.

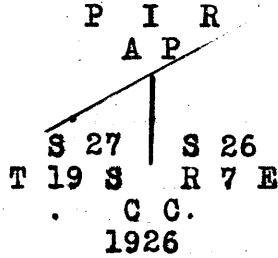
12.22 Summit of the main ridge or divide of the Baboquivari Mountains, brs. NE. and SW. This point is the intersection with the boundary of the Papago Indian Reservation at Angle Point No. 6 of the N. 1/4 of the 14th mile of said boundary and at 0.40 chs. N. 73 1/2° E., from the 13 1/2 Mile monument, described in Book "P"

Survey of Part of Subdivision Lines of T. 19 S., R. 7 E.

Chains

of Group No. 100.

At this point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for closing cor. of secs. 26 and 27, and Angle Point of Reservation Boundary, with brass cap marked



From which

A black oak, 16 ins. in diam., brs. S. 4° E., 146 lks. dist., mkd. T 19 S R 7 E S 26 C C B T.

A black oak, 16 ins. in diam., brs. S. 36° W., 78 lks. dist., mkd. T 19 S R 7 E S 27 C C B T.

Flag on Baboquivari Peak, bears N. 18° 10' E.

Land, mountainous.

Soil, rocky, 3rd and 4th rate.

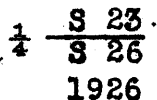
Timber, oak.

Undergrowth, scrub oak, mesquite and catclaw and cactus.

From the cor. of secs. 23, 24, 25 and 26.

West, on a true line, between those parts of secs. 23 and 26, situated outside the Papago Indian Reservation Over mountainous land, thru scattering timber and dense undergrowth. Asc. 1034 ft. over steep broken S. and SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor. of secs. 23 and 26, with brass cap marked



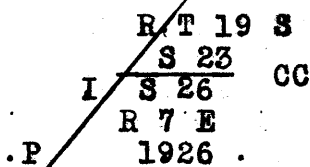
No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 1/2 ft. high N. of cor.

47.83 Ascend 172 ft. over steep, broken, SE. slope to Summit of main ridge or divide of the Baboquivari Mts.

This point is the intersection with the boundary of the Papago Indian Reservation at 2.16 chs. S. 10° E. from Angle Point No. 8 of N. 1/2 of the 13th mile of said boundary, described in Book "P" of Group No. 100.

At the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, deposit a stone marked with a cross (X) at base of post and raise a mound of stone, 3 ft. base, 1 1/2 ft. high, around post for closing cor. of secs. 23 and 26, with brass cap marked

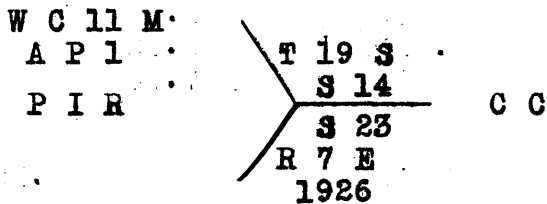


Survey of Part of Subdivision Lines of T. 19 S., R. 7 E.

Chains No bearing trees available.
 Land, mountainous.
 Soil, rocky, 3rd and 4th rate.
 Timber, oak and pine.
 Undergrowth, scrub oak, mesquite and catclaw and cactus.

 From the cor. of secs. 13, 14, 23 and 24.
 West, on a true line, between those parts of secs. 14 and
 23, situated outside the Papago Indian Reservation.
 Over mountainous land, thru scattering timber and dense
 undergrowth. Asc. gradually over steep S. slope.
 3.00 Ravine, course S. 80° E. Asc. 1164 ft. over steep broken
 SE. slope of Baboquivari Peak to
 21.09 Summit of main ridge or divide of the Baboquivari Mts.,
 on S. side of Baboquivari Peak.
 This point is the intersection with the boundary of the
 Papago Indian Reservation at Angle Point No. 1 of
 the N. $\frac{1}{2}$ of the 12th mile of said boundary, which is
 9.50 chs. S. 14° E., from true point for the 11th
 Mile Mon. thereon. This Angle Point is also witness
 cor. to the 11 Mile monument as described in Book "P"
 of Group No. 100.

At this point of intersection set an iron post, 3 ft.
 long, 2 ins. in diam., 3 ins. in the ground to bed
 rock, deposit a stone, marked with a cross (X) at
 base of post, supported by a mound of stone, 5 ft.
 base, 2 $\frac{1}{2}$ ft. high, for closing cor. of secs. 14 and
 23, for Angle Point of Reservation Boundary and for
 witness cor. to the 11th mile monument of said Bdy.,
 with brass cap marked



No bearing trees available.
 Note: The marking "W C 11 M A P 1" was added to this
 cor. monument by Transitman Gould after finding that
 the 11th mile monument could not be set at its true
 point.
 From this closing cor. the highest point in Baboquivari
 Peak (A. P. No. 3 of S. $\frac{1}{2}$ of 11th mile of P. I. R.
 Bdy., monumented by iron post with brass cap) bears
 N. 16° 00' W., 18.10 chs. dist.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, oak and pine.
 Undergrowth, scrub oak and catclaw, laurel and cactus.

FINAL TEST OF INSTRUMENTS,
by
WILLIAM H. THORN, U. S. CADASTRAL ENGINEER.

March 21, 1926:

At camp near the cor. of secs. 2, 3, 10 and 11, T. 16 S., R. 19 E., G. & S. R. B. & M., Arizona, on the meridian established by observation on Polaris January 16, 1926, as described in Book "B" of this group, at 10 h. 0 m., a. m. App. t., set off $32^{\circ} 3\frac{1}{2}'$ N., on the lat. arcs; $0^{\circ} 9'$ N., on the decl. arcs, and determine a meridian with each solar.

At 2 h. 0 m., p. m., App. t., set off $32^{\circ} 3\frac{1}{2}'$ N., on lat. arcs; $0^{\circ} 13'$ N., on decl. arcs, and determine a meridian with each solar.

As the meridians determined with the solar agree within one minute of arc with the Polaris meridian, conclude that the adjustment of the transits has been maintained throughout the execution of the surveys described in the foregoing notes.

Boundaries of that Part of T. 19 S., R. 7 E.,
situate outside the Papago Indian Reservation.

Latitudes, Departures and Closing Errors.

Line designated	True course	Dist- ance.	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary	West	39.98				39.98
	$S. 89^{\circ} 56' W.$	39.93		.05		39.93
	West	127.94				127.94
Boundary of Papago Indian Reservation	Various		483.13	.54	224.78	58.78
North Boundary	East	42.54			42.54	
East Boundary	$S. 0^{\circ} 4' E.$	41.92		41.92	.05	
	$S. 0^{\circ} 3' E.$	40.20		40.20	.03	
	South	400.00		400.00		
Convergency					.09	
Totals			482.13	482.71	267.49	266.63
			482.71		266.63	
	Error in latitude		0.42			
	Error in departure				0.86	

GENERAL DESCRIPTION.

The portion of T. 19 S., R. 7 E., surveyed as described in the foregoing notes, is mountainous, lying on the east of the main ridge or divide of the Baboquivari Mountains, which forms the boundary of the Papago Indian Reservation. This ridge or divide runs on an average bearing of S. 20° W., to N. 20° E., in places forming only a narrow rocky summit difficult to survey.

Baboquivari Peak is located in Sec. 14, on the main ridge or divide. It rises 1500 feet above the main ridge, being composed of solid rock, having an elevation of 7740 feet above sea-level as given by the U. S. Military Survey. The peak is about 30. chains north and south, and about 15. chains from east to west. The summit of the peak is only accessible from the northwest side.

The soil is a rocky clay, 3rd and 4th rate.

There is a good growth of grass on the higher slopes.

Timber consists of black and white oak, pine, black walnut, ash and sycamore.

The undergrowth is scrub oak, mesquite and catclaw, raspberry, service brush, wild cherry, soto, Spanish dagger, century plant, yucca palms and cactus.

There are two patented mining claims in Secs. 35 and 36, numerous prospect holes in sec. 25, and several in sec. 24.

There is one settler located in sec. 25, with improvements consisting of a couple of adobe houses, corral and wells, and the only road in the township is the one leading to this settler's place.

An automobile can drive within one mile of Baboquivari Peak.

There is some running water in Secs. 12 and 13.

BOOK 3776

4-680

FIELD ASSISTANTS.
to
Otis O. Gould, U.S. Transitman

NAMES.	CAPACITY.
Pilcher Brown	1st Chainman
Earl Utter	2nd Chainman
William Kroll	Cornerman
Milton Stevens	Axman
Earl Endicott	Flagman

CERTIFICATE OF U.S. TRANSITMAN

I, Otis O. Gould U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. District Cadastral Engineer Surveyor General for Group No. 134, Arizona bearing date of the 21st day of January, 1926, 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, surveyed all those parts or portions of

The Subdivision Lines of

Township 19 South, Range 7 East

of the Gila & Salt River

Base and Meridian, in the State of Arizona, which are represented in and by diagram on page 2 hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. District Cadastral Engineer Surveyor General for Group No. 134, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: Phoenix, Arizona. Date: May 1, 1926.

Signature of Otis O. Gould, U.S. Transitman.

APPROVAL

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

The foregoing field notes of the survey of

executed by

under his special instructions dated 19, 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 U.S. CADASTRAL ENGINEER.

I, William H. Thorn, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. ^{District Cadastral Engineer} ~~Surveyor General~~, for Group No. 134, Arizona

bearing date of the 21st day of January, 1926, 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 East Boundary of Township 19 South, Range 7 East,
~~RESURVEYED~~ all those parts or portions of

the South Boundary of Township 19 South, Range 7 East
and ~~SURVEYED~~ all those parts or portions of the South and North boundaries
and Subdivision Lines of Township 19 South, Range 7 East, of the Gila and
Salt River Base & Meridian, in the State of Arizona, which are represented in

and by diagram on page 2 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 Instruc-

tions, and the special written instructions of the U. S. ^{District Cadastral Engineer} ~~Surveyor General~~, for Group 134, Arizona

and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement, resurvey and survey.

Place - Phoenix Ariz
Date - May 21st 1926

William H. Thorn
U.S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE U. S. SUPERVISOR OF SURVEYS.

Denver, Colorado, June 11, 1927.

The foregoing field notes of the ~~RETRACEMENT~~ of Part of the East Boundary of
Township 19 South, Range 7 East, of the ~~RESURVEY~~ of Part of the South
Boundary of Township 19 South, Range 7 East
and of the ~~SURVEY~~ of Parts of South and North Boundaries and
Part of the Subdivision Lines of

Township 19 South, Range 7 East
of the Gila & Salt River Base and Meridian, in the State of Arizona

executed by William H. Thorn, U.S. Cadastral Engineer & Otis O. Gould, U.S. Transitman

under ~~his~~ special instructions dated January 21, 1926 for Group 134 Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~RETRACE-~~
~~MENTS, RESURVEYS AND SURVEYS~~
they describe, are hereby approved.

Munk A. 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:~~