

BOOK 3806

FIELD NOTES

OF THE SURVEY OF THE

Boundary of the Papago Indian Reservation

thru

T. 20 S., R. 7 E.

and

T. 21 S., R. 7 E.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Benjamin J. Kinsey, U.S. Surveyor

and

Charles E. Hunter, U.S. Transitman

In the capacity of U. S. Surveyors, under Special Instructions dated Sept. 25, 1919, issued by the United States Surveyor General to govern surveys included in Group No. 100 Arizona, which were approved by the Commissioner of the General Land Office, October 22, 1919, and Assignment Instructions dated April 11, 1927.

Survey commenced April 16, 1927.

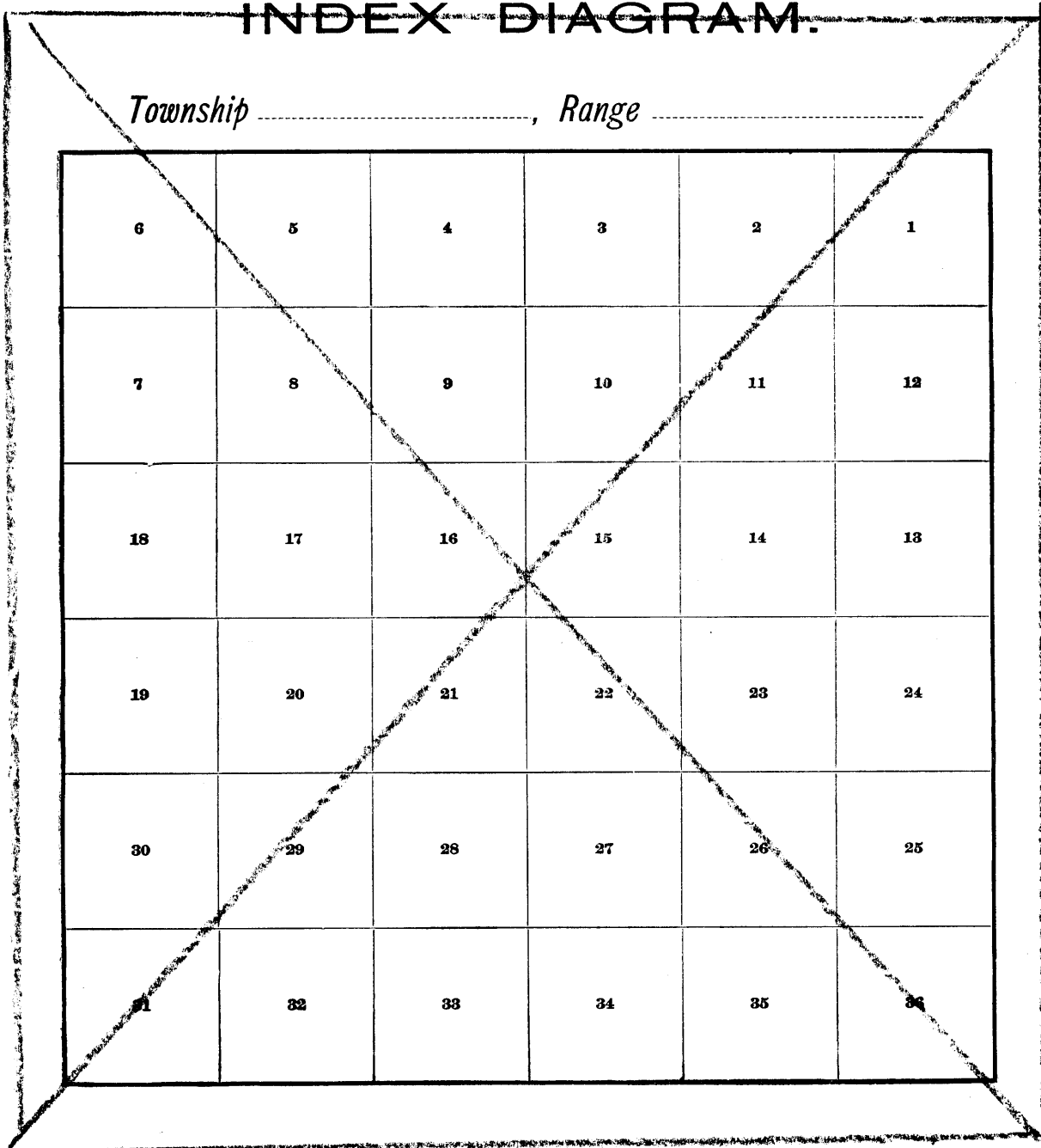
Survey completed May 2, 1927.

3806

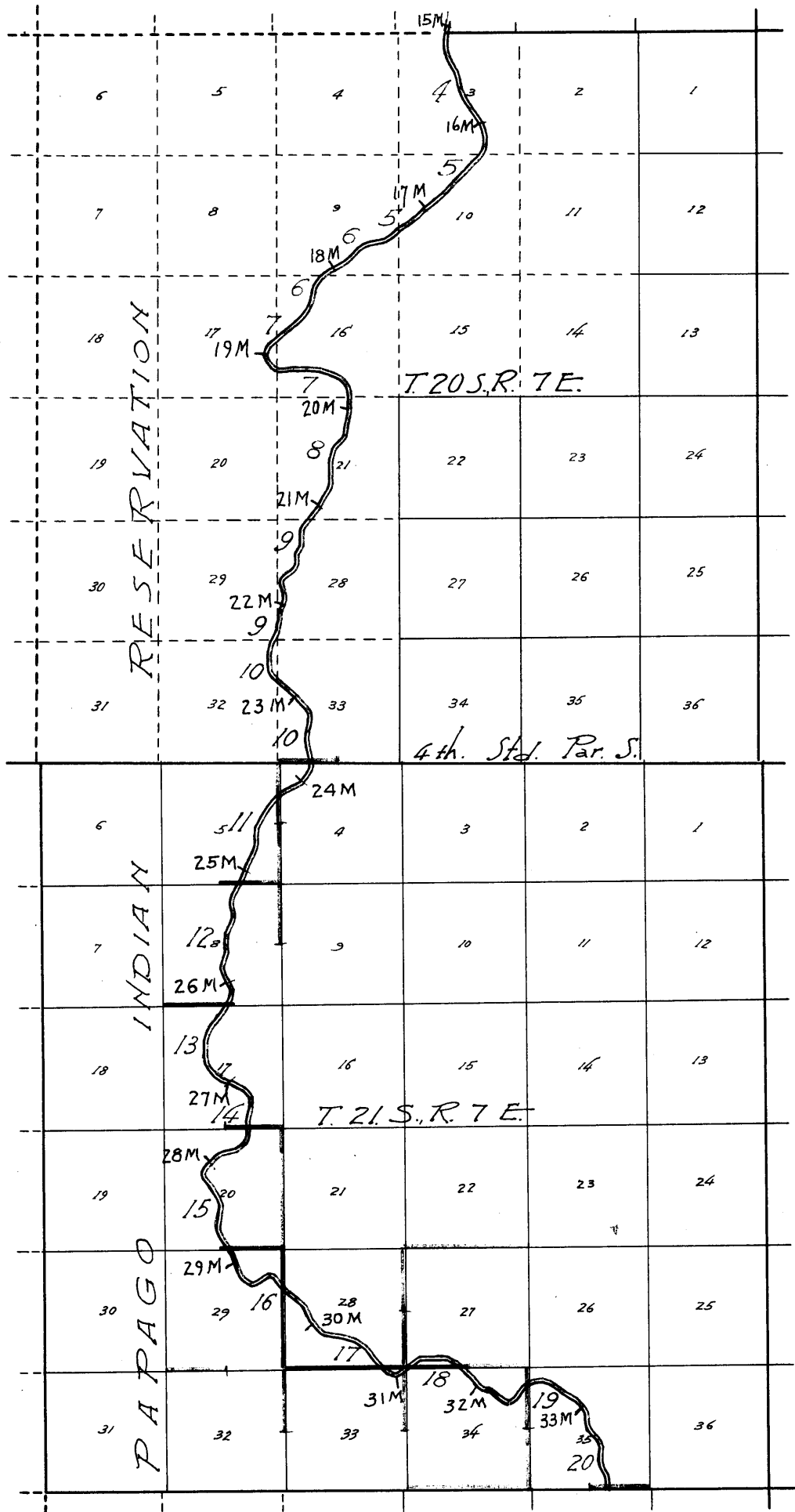
3806




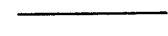

INDEX DIAGRAM.

Township _____, Range _____

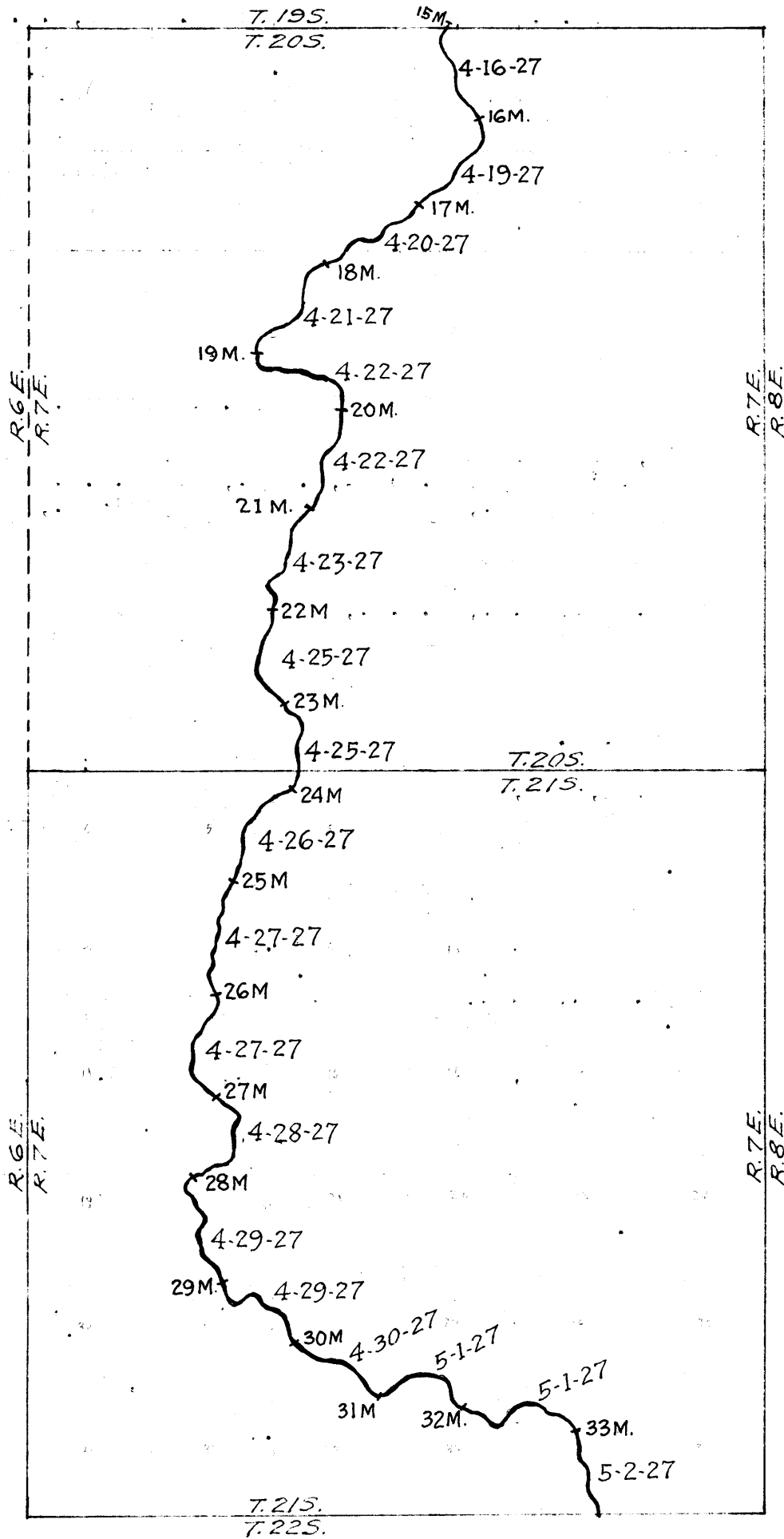


~ INDEX - DIAGRAM ~



-  P.I.R. Bdy. surveyed under this group Notes herein indexed in red figures.
-  Lines retraced under this group. Notes in Book "R."
-  Lines resurveyed under this group. Notes in Book "R"
-  Accepted surveys, retracements or resurveys.
-  Unsurveyed.

DATE DIAGRAM



Indicates P.I.R. Bdy. surveyed by Benjamin J. Kinsey, U.S. Surveyor on dates shown.

Indicates P.I.R. Bdy. surveyed by Charles E. Hunter, U.S. Transitman, on dates shown.

The surveys herein described were executed by Benjamin J. Kinsey, U.S. Surveyor and Charles E. Hunter, U.S. Transitman, on dates shown on diagram on page 1 hereof, using respectively Buff transits Nos. 9940 and 10125, with U-shaped standards, $4\frac{1}{2}$ inch horizontal circles, 4 inch vertical circles and improved Smith solar attachments; all azimuth determinations are accomplished with the solar attachment except the special observations upon Polaris upon which to test the solar apparatus as stated in the field notes.

PRELIMINARY FIELD TEST
of
Buff Transit No. 9940,
by
Benjamin J. Kinsey, U.S. Surveyor.

April, 13, 1927, at my station in camp, near the $\frac{1}{4}$ sec. cor. secs. 35 and 36, T. 21 S., R. 7 E., G. & S. R. B. & M., latitude $31^{\circ}33\frac{1}{2}'$ N., and longitude $111^{\circ}34'43''$ W., examine the adjustments of the transit and find no existing errors; then to test the workings of the solar apparatus proceed as follows:

At 6h. 05m., p.m., l.m.t., observe Polaris at western elongation making four observations, two each with the telescope in direct and reversed positions and marking the mean point in the line thus determined by a tack set in top of a stake driven firmly in the ground about 5 chs. N.

Azimuth of Polaris at western elongation : $1^{\circ}16'$.

April, 15, 1927, lay off the azimuth of Polaris $1^{\circ}16'$ to the east and mark the true meridian by a tack set in top of a peg, driven firmly in the ground about 5 chs. N.

At apparent noon, with the latitude arc set at $31^{\circ}33\frac{1}{2}'$ N., observe the sun on the meridian; the resultant reading of the decl. arc is $9^{\circ}37\frac{1}{2}'$ N., which agrees with the computed decl. of the sun.

At 3h. 00m., p.m., with lat. arc unchanged set off $9^{\circ}40\frac{1}{2}'$ N. on the decl. arc and determine a meridian with the solar which agrees with the true meridian.

April, 16, 1927, set off $31^{\circ}33\frac{1}{2}'$ N., on lat. arc, $9^{\circ}56'$ N., on decl. arc and determine a meridian with the solar which agrees with the true meridian.

As all of the observations taken during the usual hours of solar work agree within 1' of the true meridian, conclude that the instrument is in satisfactory adjustment.

Unless otherwise specified, all measurements are made with a Lufkin steel tape 5 chs. in length, compared with a Lufkin standard and found correct.

All measurements are made on the slope, the vertical angle determined and the slope measurements properly reduced to horizontal values.

Chains

PRELIMINARY FIELD TEST

of

Buff Transit No.10125.

by

Charles E. Hunter, U.S. Transitman.

April, 17, 1927, at same station as described on page 2 hereof, examine the adjustments of the transit and find no existing errors; then to test the workings of the solar apparatus by comparing its indications with the true meridian hereinbefore described proceed as follows:

At 9h. 00m., a.m., app. t., set off $31^{\circ}33\frac{1}{2}'$ N., on the latitude arc, $10^{\circ}18'$ N., on the decl. arc and determine a meridian with the solar which agrees with the true meridian.

At 3h. 00m., p.m., app. t., with lat arc unchanged, set off $10^{\circ}23'$ N., on decl. arc and determine a meridian with the solar which agrees with the true meridian.

As all of the observations taken during the usual hours of solar work agree within 1' of the true meridian, conclude that the adjustments of the instrument is in satisfactory condition.

Unless otherwise specified all measurements are made with a Lufkin steel tape 5 chs. in length, compared with a Lufkin standard and found correct.

All measurements are made on the slope, the vertical angle determined with a clinometer and the slope measurements properly reduced to horizontal values.

Survey of part of the boundary of the Papago Indian Reservation.
(Along the summit of Baboquivari Mountain Range.)

4

Chains

For the purpose of marking the boundary so it can be readily followed, monument the angle points thereon with small mounds of stone, the minimum size of these mounds being 2 ft. base and 1 ft. high and frequently very much larger.

The closing corner of Ts. 19 and 20 S., R.7 E., established in 1926 by Otis O. Gould, U.S. Transitman, is an iron post 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly mkd. on brass cap and witnessed by two bearing trees, one each NE and SE of corner. This closing corner is at 2.20 chs. station of 16th. mile of P.I. R. Bdy., which I designate as A.P. No.1.

Thence,
Continuing measurement of 16th. mile of P.I.R. Bdy. in T.20 S., R.7 E.

- S.53°22'W., 5.14 chs. to A.P. No.2.
- S.38°28'E., 15.13 " " " " No.3
- S.65°40'E., 3.96 " " " " No.4
- S.27°00'E., 4.21 " " " " No.5
- S.27°39'W., 2.23 " " " " No.6
- S.1° 00'W., 7.13 " " " " No.7

40.00

Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for 1/2 mile monument, with brass cap mkd.

1/2 M

PIR PL

1927 from which,
an oak, 16 ins. in diam., bears S.14°E., 26 lks. dist., mkd. 1/2 M PLmBT
No other tree available.

Continue along 16th. mile of P.I.R. Bdy.

- S.1° 00'W., 2.92 chs. to A.P. No. 1. At 6.70 chs.
- S.1° 53'W., 7.96 " " " " " 2. Top of cliff, 100
- S.3° 45'W., 1.54 " " " " " 3. ft. high, on line.
- S.28°00'E., 2.74 " " " " " 4. At 9.40 chs.
- S.42°27'E., 8.59 " " " " " 5. Desc. 294 ft. over
- S.46°48'E., 8.19 " " " " " 6. series of ledges
- S.76°10'E., 5.16 " " " " " 7. facing SE.
- S.27°45'E., 2.90 " " " " "

80.00

Set an iron post 3 ft. long, 3 ins. in diam., 12 ins. in the ground to bedrock, supported by a md. of stone, for 16th. mile monument, with brass cap mkd.

16 M

PIR PL

1927 from which,
an oak, 15 ins. in diam., bears S.60 1/2°E., 102 lks. dist., mkd. 16M PL BT
an oak, 12 ins. in diam., bears S.24°W., 118 lks. dist., mkd. 16M PIR BT

Land, rough mountainous.
Soil, rocky 4th. rate.
Timber, oak, pinion and juniper.
Undergrowth, scruboak, catclaw and cacti.

Survey of part of the boundary of the Papago Indian Reservation.
(Along the summit of Baboquivari Mountain Range.)

Chains

Thence,
 Along 17th. mile of P.I.R. Bdy., T.20 S.,R.7 E.
 S.27°45'E., 3.67 chs. to A.P. No.1.
 S.5°00'E., 3.60 " " " " " 2.
 S.17°30'W., 1.90 " " " " " 3.
 S.8°15'E., 2.90 " " " " " 4.
 S.5°00'W., 3.30 " " " " " 5.
 S.53°00'W., 17.50 " " " " " 6.
 S.13°00'W., 2.10 " " " " " 7.
 S.25°00'W., 5.03 " " " " " "

40.00

Set an iron post 3 ft. long, 1 in. in diam., 26 ins.in
 the ground, for the 1/2 mile monument, with brass cap mkd.

1/2 M

PIR PL

1927

No bearing trees available; raise a md. of stone 3 ft.
 base and 1 1/2 ft. high W. of cor.

Continue along 17th. mile of PIR Bdy.

S.25°00'W., 1.80 chs. to A.P. No.1. At 13.80 trail, brs.
 S.11°30'W., 4.70 " " " " " 2. NE-SW.
 S.52°30'W., 5.60 " " " " " 3. " 15.70 trail, brs.
 S.22°00'W., 2.60 " " " " " 4. NE-SW(bend)
 S.60°15'W., 3.00 " " " " " 5. " 25.30 Saddle; fence
 S.40°15'W., 5.00 " " " " " 6. & trail,
 S.53°30'W., 10.50 " " " " " 7. brs.NW-SE.
 N.86°00'W., 6.80 " " " " " 32.70 fence, brs.

80.00

Set an iron post 3 ft. long, 3 ins.
 in diam., 6 ins. in the ground, 34.70 fence, brs.
 to bedrock, supported by a mound NW-SE.
 of stone, for 17th. mile monument, with brass cap mkd.

17 M.

PIR

PL

1927

from which,

an oak, 16 ins. in diam., bears N.57°W., 60 lks.
 dist.; mkd. 17M PL BT
 an oak, 12 ins. in diam.; bears S.83°E., 121 lks.
 dist., mkd. 17M PIR BT (No other trees available.)

Land, rolling:

Soil, rocky 4th. rate.

Timber, oak and juniper.

Undergrowth, scruboak, catclaw and cacti.

From 17th. mile mon.

Along the 18th. mile of P.I.R. Bdy., in T.20 S.,R.7 E.
 S.81°15'W., 4.40 chs. to A.P.No.1. At 6.25 fence, brs. NE-SW.
 S.16°15'W., 2.70 " " " " " 2. " 13.80 Saddle.
 S.34°45'W., 3.90 " " " " " 3. " 14.60 Fence, brs. NW-SE.
 S.78°30'W., 3.70 " " " " " 4.
 S.57°30'W., 5.50 " " " " " 5.
 S.38°45'W., 11.80 " " " " " 6.
 S.88°45'W., 4.60 " " " " " 7.
 N.71°15'W., 3.40 " " " " " "

40.00

Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the
 ground to bedrock, deposit a stone mkd. with a cross
 (X) at base of post, supported by a md. of stone, for

Survey of part of the boundary of the Papago Indian Reservation.
 6 (Along the summit of the Baboquivari Mountain Range.)

Chains

1/2 mile monument, with brass cap mkd.

1/2 M

PIR

PL

1927

No bearing trees available.

Continuing along 17th. mile of P.I.R. Bdy. of P.I.R. Bdy.

- N.61°30'W., 3.70 chs. to A.P. No.1.
- S.59°30'W., 4.50 " " " " " 2.
- S.50°00'W., 9.40 " " " " " 3.
- S.0°45'E., 2.10 " " " " " 4.
- S.18°15'W., 6.40 " " " " " 5.
- S.39°00'W., 4.70 " " " " " 6.
- S.89°30'W., 5.40 " " " " " 7.
- S.61°00'W., 3.80 " " " " " 8.

80.00

Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for 18th. mile monument, with brass cap mkd.

18 M

PIR

PL

1927

from which,
 an oak, 15 ins. in diam., bears N.39 1/2°E., 137 lks. dist., mkd. 18M PIR BT
 an oak, 8 ins. in diam., bears S.33°30'W., 50 lks. dist., mkd. 18M PL BT

Land, rolling top.
 Soil, rocky 4th. rate.
 Timber, oak and juniper.
 Undergrowth, scruboak, catclaw and cacti.

Thence,
 Along the 19th. mile of P.I.R. Bdy., in T.20 S., R.7 E.

- S.61°00'W., 5.80 chs. to A.P.No.1.
- S.88°30'W., 8.30 " " " " " 2.
- S.38 1/2°00'W., 2.80 " " " " " 3.
- S.48°30'W., 2.70 " " " " " 4. At 0.80 chs., fence, brs. N. and S.
- S.10°00'W., 8.70 " " " " " 5. At 2.60 chs., fence, brs. NE-SW.
- S.33°45'W., 4.50 " " " " " 6. At 1.30 chs., fence, brs. N-S.
- S.16°45'E., 4.20 " " " " " 7. At 2.10 chs., fence, brs. NE-SW.
- S.23°00'W., 3.00 " " " " "

40.00

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 18 1/2 mile monument, with brass cap mkd.

18 1/2 M

PIR PL

1927

from which,
 an oak, 6 ins. in diam., bears S.74 1/2°E., 69 lks. dist., mkd. 18 1/2M PL BT
 an oak, 4 ins. in diam., bears S.52°W., 72 lks. dist., mkd. BT

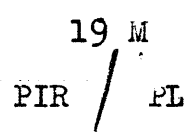
Survey of part of the boundary of the Papago Indian Reservation.
(Along the summit of the Baboquivari Mountain Range.) 7

Chains

Continue along the 19th. mile of P.I.R. Bdy.
 S.23°00'W., 3.50 chs. to A.P.No.1.
 S.72½°00'W., 4.60 " " " " " 2.At.2.60 chs., saddle.
 S.50°00'W., 2.60 " " " " " 3.
 S.83°45'W., 2.90 " " " " " 4.
 S.57°30'W., 3.80 " " " " " 5.
 S.26°45'W., 1.80 " " " " " 6.
 S.69°15'W., 5.40 " " " " " 7. At 2.20 chs., saddle.
 S.55°30'W., 4.10 " " " " " 8.
 S.26°15'E., 3.60 " " " " " 9.
 S.3°15'E., 3.40 " " " " " 10.
 S.36°45'W., 2.10 " " " " " 11. At 0.80 chs., saddle.
 S.20°15'W., 2.20 " " " " "

40.00

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the 19th. mile monument, with brass cap marked



1927

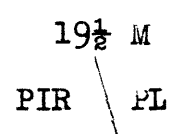
No bearing trees available; raise a md. of stone 3 ft. base, 2 ft. high NW of cor.

Land, rolling top.
 Soil, rocky 4th. rate.
 Timber, oak and juniper.
 Undergrowth, scruboak, catclaw and cacti.

Thence,
 Along the 20th. mile of P.I.R. Bdy., in T.20 S.,R.7 E.
 S.20°15'W., 2.50 chs. to A.P. No. 1.
 S.2°30'W., 3.30 " " " " " 2.At 2.00 chs., saddle.
 S.19°30'E., 5.30 " " " " " 3.
 S.66°30'E., 2.80 " " " " " 4.
 N.81°45'E., 4.30 " " " " " 5.At 3.40 chs., saddle.
 S.62°15'E., 2.90 " " " " " 6.
 S.87°30'E., 6.10 " " " " " 7.Saddle.
 S.50°45'E., 4.60 " " " " " 8.
 S.80°00'E., 2.90 " " " " " 9.
 N.67°30'E., 2.30 " " " " " 10.At 0.85 chs., saddle.
 S.20°45'E., 3.00 " " " " "

40.00

Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, supported by a md. of stone, for the 19½ mile monument, with brass cap mkd.



1927

from which,
 an oak, 12 ins. in diam., bears S.50½°E., 106 lks.
 dist., mkd. 19½M PL BT
 an oak, 7 ins. in diam., bears N.30½°W., 172 lks.
 dist., mkd. 19½M PIR BT

Continuing along 20th. mile of P.I.R. Bdy.
 S.40°00'E., 2.10 chs. to A.P. No.1.
 S.61°45'E., 7.30 " " " " " 2.
 S.74°15'E., 12.00 " " " " " 3.At 7.20 chs., saddle
 N.86°30'E., 4.70 " " " " " 4. old road
 S.7°00'E., 8.30 " " " " " 5.At 4.80 chs., brs.N-SW.
 S.20°00'E., 5.60 " " " " " saddle.

BOOK 3806

Survey of part of the boundary of the Papago Indian Reservation.
8 (Along the summit of the Baboquivari Mountain Range.)

Chains

80.00 Set an iron post 3 ft. long, 3 ins. in diam., 12 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 20th. mile monument, with brass cap mkd.

20 M

PIR / PL

1927

No bearing trees available.

Land, rolling top.

Soil, rocky 4th. rate.

Timber, oak and juniper.

Undergrowth, scruboak, catclaw and cacti.

Thence,

Along the 21st. mile of P.I.R. Bdy., in T.20 S., R.7 E.

S.43°00'W., 1.10 chs. to A.P. No.1.

S.7°00'W., 6.60 " " " " No.2. At 1.60 chs., saddle.

S.15°15'E., 3.60 " " " " " 3.

S.38°30'W., 9.40 " " " " " 4. At 4.50 chs., saddle.

" 7.60 " " " "

S.2°30'W., 1.40 " " " " " 5.

S.22°30'W., 2.70 " " " " " 6.

S.49°45'W., 7.10 " " " " " 7. At 5.60 chs., saddle.

S.68°45'W., 3.80 " " " " " 8.

S.15°45'W., 3.60 " " " " " 9.

S.12°30'E., :70 " " " " "

40.00 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for 20½ mile monument, with brass cap mkd.

20½ M

PIR / PL

1927

No bearing trees available.

Continuing along the 21st. mile of P.I.R. Bdy.

S.12°30'E., 9.80 chs. to A.P. No.1. At 7.10 chs., saddle.

S.38°45'E., 3.80 " " " " " 2.

South, 4.20 " " " " " 3. Saddle.

S.25°45'W., 3.80 " " " " " 4.

S.40°45'W., 4.50 " " " " " 5.

S.80°15'W., 3.40 " " " " " 6.

S.31°30'E., 5.00 " " " " " 7.

S.32°45'W., 5.50 " " " " " "

80.00 Set an iron post 3 ft. long, 3 ins. in diam., 10 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for 21 st. mile monument, with brass cap mkd.

21 M

PIR / PL

1927

No bearing trees available.

Land, rolling top.

Soil, rocky 4th. rate.

Timber, oak and juniper.

Undergrowth, scruboak, catclaw and cacti.

Survey of part of the boundary of the Papago Indian Reservation.
(Along the summit of the Baboquivari Mountain Range.)

Chains

Along the 22nd. mile of P.I.R. Bdy., in T.20 S., R.7 E.
 S.67°30'W., 4.40 chs. to A.P.No.1. At.4.00 chs., saddle.
 S.47°00'W., 8.30 " " " " " 2.
 S.28°00'W., 7.10 " " " " " 3. At.3.80 chs., saddle.
 S.19°15'E., 2.10 " " " " " 4.
 S.17°30'W., 4.00 " " " " " 5. At.1.30 chs., saddle.
 S.19°15'E., 4.50 " " " " " 6.
 S.14°30'W., 5.90 " " " " " 7.
 S.16°15'E., 3.70 " " " " "

40.00

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for the 21½ mile monument, with brass cap mkd.

21½ M

PIR PL

1927

No bearing trees available; raise a md. of stone 3 ft. base, 1½ ft. high W. of cor.

Continue along the 22nd. mile of P.I.R. Bdy.
 S.16°15'E., 2.20 chs. to A.P.No.1.
 S.42°45'W., 11.30 " " " " " 2. At.4.70 chs., saddle.
 S.61°30'W., 9.00 " " " " " 3.
 S.67°00'E., 1.60 " " " " " 4.
 S.31°30'E., 7.90 " " " " " 5.
 S.10°30'W., 2.40 " " " " " 6.
 S.17°30'W., 5.60 " " " " "

80.00

Set an iron post 3 ft. long, 3/8 ins. in diam., 18 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 22nd. mile monument, with brass cap mkd.

22 M

PIR PL

1927

No bearing trees available.

Land, rolling top.
 Soil, rocky 4th. rate.
 Timber, oak and juniper.
 Undergrowth, scruboak, cacti and catclaw.

Along the 23rd. mile of P.I.R. Bdy., in T.20 S., R.7 E.
 S.17°30'W., 2.70 chs. to A.P.No.1.
 S.5°00'W., 8.00 " " " " " 2.
 S.15°00'E., 4.70 " " " " " 3.
 S.1°30'E., 1.90 " " " " " 4.
 S.60°45'W., 6.80 " " " " " 5. Saddle.
 S.50°00'W., 4.80 " " " " " 6.
 S.2°00'E., 4.90 " " " " " 7.
 S.9°45'W., 6.20 " " " " "

40.00

Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 22½ mile monument, with brass cap mkd.

22½ M

PIR PL

1927

No bearing trees available.

BOOK 3806

Survey of part of the boundary of the Papago Indian Reservation.
(Along the summit of the Baboquivari Mountain Range.)

10

Chains

Continue along the 23rd. mile of P.I.R. Bdy.

S. 9°45' W., 3.10 chs. to A.P. No. 1.
S. 25°30' W., 7.20 " " " " " 2.
S. 46°30' E., 4.70 " " " " " 3.
S. 25°15' W., 1.90 " " " " " 4.
S. 17°45' E., 12.00 " " " " " 5.
N. 67°00' E., 5.00 " " " " " 6.
S. 74°45' E., 2.40 " " " " " 7.
S. 47°00' E., 3.70 " " " " " "

80.00

Set an iron post 3 ft. long, 3 ins. in diam., 8 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 23rd. mile monument, with brass cap mkd.

23 M

PIR PL

1927

No bearing trees available.

Land, rolling top.

Soil, rocky 4th. rate.

Timber, oak and juniper.

Undergrowth, scruboak, catclaw and cacti.

Thence,

Along the 24th. mile of P.I.R. Bdy., in T. 20 S., R. 7 E.

S. 47°00' E., 5.20 chs. to A.P. No. 1. At 1.60 chs., saddle.
S. 19°15' E., 6.60 " " " " " 2.
S. 61°45' E., 2.30 " " " " " 3.
S. 36°45' E., 3.20 " " " " " 4.
S. 76°30' E., 8.50 " " " " " 5.
S. 9°45' E., 2.80 " " " " " 6.
S. 9°00' W., 8.70 " " " " " 7. At 8.67 chs., fence,
S. 36°30' W., 2.70 " " " " " " bears N. and S.

40.00

Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 23½ mile monument, with brass cap mkd.

23½ M

PIR PL

1927

No bearing trees available.

Continue along the 24th. mile of P.I.R. Bdy.

S. 36°30' W., 1.20 chs. to A.P. No. 1. At 4.80 chs., saddle.
S. 17°30' E., 8.00 " " " " " 2.
S. 11°45' W., 4.80 " " " " " 3. Saddle.
S. 28°30' W., 3.70 " " " " " 4.
S. 18°20' E., 2.10 " " " " " "

Intersect the closing corner of Ts. 20 and 21 S., R. 7 E., and angle point No. 5, described in book " " of this group.

Thence, continue along P.I.R. Bdy., in T. 21 S., R. 7 E.

S. 8°45' W., 3.80 chs. to A.P. No. 6.
S. 47°00' E., 1.90 " " " " " 7.
S. 23°45' W., 4.20 " " " " " 8. At 3.30 chs., saddle.
S. 1°45' E., 6.70 " " " " " 9.
S. 88°00' W., 3.60 " " " " " "

Survey of part of the boundary of the Papago Indian Reservation.
(Along the summit of the Baboquivari Mountain Range.)

Chains

80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for the 24th. mile monument, with brass cap marked

24 M
PIR

PL

1927

No bearing trees available; raise a md. of stone 3 ft. base, 1 1/2 ft. high N. of cor.

Land, rolling top.
Soil, rocky 4th. rate.
Timber, oak and juniper.
Undergrowth, scruboak and catclaw.

Thence,
Along the 25th. mile of the P.I.R. Bdy., in T.21 S., R.7 E.

S.43°W., 3.50 chs. to A.P.No.1.
S.53 1/4°W., 9.00 " " " " 2.
S.64 1/2°W., 3.20 " " " " 3. At 0.06 chs., intersect the subdivisional line bet. secs. 4 and 5 described in book "R" of this group.

S.46 1/4°W., 5.60 " " " " 4.
S.32 1/2°W., 6.20 " " " " 5.
S.20 1/2°W., 3.60 " " " " 6. At 3.40 chs., saddle.
S.51 1/2°W., 4.60 " " " " 7.
S.20 1/2°W., 4.30 " " " " 8.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 24 1/2 mile monument, with brass cap marked

24 1/2 M
PIR PL

1927

No bearing trees available.

Continue along the 25th. mile of P.I.R.Bdy.,

S.20 1/2°W., 4.50 chs. to A.P.No.1.
S.15°W., 6.10 " " " " 2. Saddle.
S.27 1/4°W., 4.10 " " " " 3.
S.17 1/4°W., 4.80 " " " " 4.
S.11 1/2°E., 2.30 " " " " 5.
S.22 1/4°W., 4.10 " " " " 6.
S.42 1/4°W., 7.30 " " " " 7. At 1.10 chs., saddle.
S.4°E., 1.10 " " " " 8.
S.38 1/4°W., 3.20 " " " " 9.
S.71 1/2°W., 2.50 " " " " 10. At 0.79 chs., intersect the subdivisional line bet. secs. 5 and 8 described in book "R" of this group.

80.00 Set an iron post 3 ft. long, 3 ins. in diam., 8 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 25th. mile monument, with brass cap mkd.

Survey of part of the boundary of the Pagago Indian Reservation.
 (Along the summit of the Baboquivari Mountain Range.)

12

Chains

25 M

PIR

PL

1927

No bearing trees available.

Land, rolling top.

Soil, rocky 4th. rate.

Timber, oak and juniper.

Undergrowth, scruboak, catclaw and cacti.

Thence,

Along the 26th. mile of P.I.R.Bdy., in T.21 S., R.7 E.

S.25 $\frac{1}{2}$ °W., 5.40 chs. to A.P.No.1. At 4.00 chs., fence, brs. NE-SW.
 At 5.00 chs., saddle.

S.8 $\frac{1}{4}$ °W., 4.10 " " " " 2.

S.29 $\frac{1}{4}$ °E., 3.00 " " " " 3. At 0.40 chs., fence, brs. NW-SE.

S.19 $\frac{1}{2}$ °W., 2.80 " " " " 4. At 2.63 chs., fence, brs. NE-SW.

S.28 $\frac{1}{4}$ °E., 3.50 " " " " 5. At 1.10 chs., fence, brs. NW-SE.

S.6°E., 3.30 " " " " 6.

S.32 $\frac{1}{4}$ °W., 2.90 " " " " 7. At 1.90 chs., fence, brs. NE-SW.

S.5 $\frac{1}{2}$ °E., 2.30 " " " " 8. At 0.65 chs., fence, brs. NW-SE.

S.21 $\frac{1}{4}$ °W., 5.00 " " " " 9. At 1.30 chs., fence, brs. NE-SW.
 At 3.20 chs., saddle.

S.6 $\frac{1}{4}$ °E., 1.60 " " " " 10.

S.20 $\frac{1}{2}$ °W., 3.30 " " " " 11.

S.51 $\frac{1}{4}$ °W., 2.80 " " " " "

40.00 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 25 $\frac{1}{2}$ mile monument, with brass cap mkd.

25 $\frac{1}{2}$ M

PIR

PL

1927

No bearing trees available.

Continue along the 26th. mile of P.I.R.Bdy.

S.9 $\frac{1}{4}$ °W., 5.00 chs., to A.P.No.1.

S.37 $\frac{1}{4}$ °E., 5.80 " " " " 2.

S.53 $\frac{1}{2}$ °E., 3.30 " " " " 3. At 1.70 chs., fence, brs. E-W.

S.10 $\frac{1}{4}$ °E., 1.00 " " " " 4.

S.20°W., 4.20 " " " " 5.

S.47°E., 3.60 " " " " 6.

S.54 $\frac{1}{4}$ °W., 4.50 " " " " 7.

S.66 $\frac{1}{2}$ °W., 5.80 " " " " 8. At 1.60 chs., fence, brs. E-W.

S.1 $\frac{1}{2}$ °E., 3.20 " " " " 9.

S.64°E., 3.60 " " " " At 2.65 chs., fence, brs. E-W.

Survey of part of the boundary of the Papago Indian Reservation.
(Along the summit of the Baboquivari Mountain Range.)

Chains

80.00 Set an iron post 3 ft. long, 3 ins. in diam., 10 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 26th. mile monument, with brass cap mkd.

26 M
PL

PIR

1927

No bearing trees available.

Land, rolling top.
Soil, rocky 4th. rate.
Timber, oak and juniper.
Undergrowth, scruboak, catclaw and cacti.

Thence,

Along the 27th. mile of the P.I.R.Bdy., in T.21 S., R.7 E.
S.46°E., 3.10 chs. to A.P.No.1.
S.14½°W., 7.00 " " " " " 2.
S.26°W., 15.70 " " " " " " "

At 6.65 chs., intersect the subdivisional line bet. secs. 8 and 17 as described in book "R" of this group.

S.1½°E., 3.80 " " " " " 3.
S.80°W., 4.90 " " " " " 4.
S.4¼°E., 5.50 " " " " " "

At 2.70 chs., fence, brs. NW-SE.
At 4.80 chs., fence, brs. NW-SE.
At 5.35 chs., fence, brs. NE-SW.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for the 26½ mile monument, with brass cap mkd.

26½ M

PIR PL

1927

No trees available; raise a md. of stone 3 ft. base; 1½ ft. high W. of cor.

Continue along the 27th. mile of P.I.R.Bdy.

S.17½°E., 6.00 chs. to A.P.No.1. At 0.25 chs., fence, brs. NW-SE.
S.11°W., 3.10 " " " " " 2. At 1.60 chs., fence, brs. NE-SW.
S.5¼°E., 2.20 " " " " " 3. At 1.40 chs., fence, brs. NW-SE.
S.37¼°W., 9.00 " " " " " 4.
S.31¼°E., 3.80 " " " " " 5. At 1.20 chs., fence, brs. NE-SW.
S.15°E., 6.20 " " " " " 6. At 0.80 chs., fence, brs. NW-SE.
N.89¾°E., 3.50 " " " " " 7. At 2.00 chs., fence, brs. N-S.
S.75°E., 6.20 " " " " " "

14 Survey of part of the boundary of the Papage Indian Reservation.
(Along the summit of the Baboquivari Mountain Range.)

Chains

80.00 Set an iron post 3 ft. long; 3 ins. in diam., 4 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 27th. mile monument, with brass cap mkd.

27 M
PL

PIR

1927

No bearing trees available.

Land, rolling top.
Soil, rocky 4th. rate.
Timber, oak and juniper.
Undergrowth, scruboak, catclaw and cacti.

Thence,
Along the 28th. mile of the P.I.R. Bdy., in T.21 S., R.7 E.
S.40 $\frac{1}{2}$ °E., 3.80 chs. to A.P.No.1.
S.13°E., 2.00 " " " " " 2.
S.40 $\frac{1}{2}$ °E., 7.10 " " " " " 3.
S.13 $\frac{1}{4}$ °E., 2.20 " " " " " 4.
S.59 $\frac{1}{2}$ °E., 6.70 " " " " " 5. At 3.50 chs., saddle.
S.40 $\frac{1}{2}$ °E., 4.70 " " " " " 6.
S.14 $\frac{1}{2}$ °W., 7.60 " " " " " 7.
S.11 $\frac{1}{2}$ °E., 5.90 " " " " "

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for the 27 $\frac{1}{2}$ mile monument, with brass cap mkd.

27 $\frac{1}{2}$ M

PIR PL

1927

This cor. is on line bet. secs. 17 and 20 as described in Book "R" of this Group
Continue along the 28th. mile of P.I.R. Bdy.
S.11 $\frac{1}{2}$ °E., 9.30 chs. to A.P.No.1. At 4.40 chs., saddle.
S.54 $\frac{1}{4}$ °W., 23.20 " " " " " 2. At 4.50 chs., saddle.
N.84 $\frac{1}{4}$ °W., 3.60 " " " " " 3.
S.84 $\frac{1}{4}$ °W., 3.90 " " " " " At 0.80 chs., fence,
brs. NE-SW.

80.00 Set an iron post 3 ft. long, 3 ins. in diam., 6 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 28th. mile monument, with brass cap mkd.

28 M

PIR PL

1927

No bearing trees available.

Land, rolling top.
Soil, rocky 4th. rate.
Timber, oak and juniper.
Undergrowth, scruboak, catclaw and cacti.

Survey of part of the boundary of the Papago Indian Reservation.
(Along the summit of the Baboquivari Mountain Range.)

Chains

Thence,
Along the 29th. mile of the P.I.R., in T.21 S., R.7 E.
S. 84 $\frac{1}{4}$ ° W., 0.80 chs. to A.P. No. 1.
S. 10 $\frac{1}{4}$ ° W., 2.10 " " " " 2.
S. 34 $\frac{1}{4}$ ° E., 1.40 " " " " 3.
S. 11 $\frac{1}{4}$ ° E., 5.00 " " " " 4.
S. 13 $\frac{1}{2}$ ° W., 2.00 " " " " 5.
S. 32 $\frac{1}{4}$ ° E., 3.00 " " " " 6. At 1.50 chs., saddle.
At 1.90 " , fence,
brs. NE-SW.
S. 11 $\frac{1}{4}$ ° W., 2.40 " " " " 7. At 2.36 chs., fence,
brs. NW-SE.
S. 54 $\frac{1}{4}$ ° E., 3.20 " " " " 8. At 1.50 chs., fence,
brs. NW-SE.
S. 73 $\frac{1}{4}$ ° E., 3.20 " " " " 9.
S. 29° E., 6.60 " " " " 10.
S. 34 $\frac{3}{4}$ ° W., 10.30 " " " " At 4.40 chs., fence,
brs. N-S.
At 5.60 chs., saddle.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the 28 $\frac{1}{2}$ mile monument, with brass cap mkd.

28 $\frac{1}{2}$ M

PIR / PL

1927

No bearing trees available; raise a md. of stone 3 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

Continue along the 29th. mile of P.I.R. Bdy.

S. 34 $\frac{3}{4}$ ° W., 4.30 chs. to A.P. No. 1. At 4.00 chs., fence,
brs. NE-SW.
S. 22 $\frac{3}{4}$ ° E., 13.60 " " " " 2.
S. 10 $\frac{1}{4}$ ° W., 2.40 " " " " 3. At 0.20 chs., fence,
brs. N-S,
S. 40 $\frac{1}{4}$ ° E., 4.20 " " " " 4.
S. 51° 20' E., 5.65 " " " " 5. This point is identical
with intersection
of subdivisional
line bet. secs. 20
and 29, described
in book "R".
S. 13 $\frac{3}{4}$ ° E., 8.10 chs., " " " " 6. At 4.00 chs., fence,
brs. NW-SE.

80.00

S. 62° E., 1.75 " "
Set an iron post 3 ft. long, 3 ins. in diam., 18 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 29th. mile monument, with brass cap mkd.

29 M

PIR / PL

1927

No bearing trees available.

Land, rolling top.
Soil, rocky 4th. rate.
Timber, oak and juniper.
Undergrowth, scruboak, catclaw and cacti.

Survey of part of the boundary of the Papago Indian Reservation.
(Along the summit of the Baboquivari Mountain Range.)

16

Chains

Thence,
Along the 30th. mile of the P.I.R.Bdy., in T.21 S., R.7 E.
S.43°E.; 8.20 chs. to A.P.No.1. At 2.50 chs., saddle.
S.52½°E., 2.80 " " " " " 2. At 2.20 chs., fence,
brs: N-S.
S.6½°E., 6.00 " " " " " 3. At 2.70 chs., fence,
brs: NW-SE.
S.41½°E., 2.50 " " " " " 4.
N:50½°E.; 13.20 " " " " " 5. At 3.60 chs., fence,
brs. E-W.
At 6.20 chs., saddle.
S:50½°E.; 5.00 " " " " " 6.
S:11½°E., 2.30 " " " " "

40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in
the ground to bedrock, deposit a stone mkd. with a
cross (X) at base of post, supported by a md. of stone,
for the 29½ mile monument, with brass cap mkd.

29½ M

PIR PL

1927

No bearing trees available.

Continue along the 30th. mile of the P.I.R.Bdy.

S.37½°E., 6.80 chs. to A.P.No.1. At 4.90 chs., fence,
brs. E-W.
S.89½°E., 2.80 " " " " " 2. At 2.50 chs., fence,
brs. NW-SE.
S.73½°E., 5.30 " " " " " 3. At 3.46 chs., intersect
the subdivisional
line bet. secs. 28
and 29 described
in book "R".
N:58½°E., 1.40 " " " " " 4. At 0.26 chs., fence,
brs. NW-SE.
S.37½°E., 5.90 " " " " " 5. At 1.50 chs., fence
brs. E-W.
S.4½°E., 7.60 " " " " " 6. At 3.00 chs., saddle.
S:53°E., 1.70 " " " " " 7. At 0.86 chs., fence,
brs. N-S.
S:1°E., 4.20 " " " " " 8.
S:23½°W.; 2.00 " " " " " 9. At 0.18 chs., fence,
brs. NW-SE.

80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
the ground, for the 30th. mile monument, with brass cap
mkd.

30 M

PIR PL

1927

No bearing trees available; raise a md. of stone 3 ft.
1½ ft. high, W. of cor.

Land, rolling top.

Soil, rocky 4th. rate.

Timber, oak and juniper.

Undergrowth, scruboak, catclaw and cacti.

Survey of part of the boundary of the Papago Indian Reservation.

(Along the summit of the Baboquivari Mountain Range.) 17

Chains

Thence,
 Along the 31st. mile of the P.I.R. Bdy., in T.21 S., R.7 E.
 S.30° E., 4.10 chs. to A.P.No.1. At 2.30 chs., fence
 brs. N-S.
 At 4.00 chs., fence
 brs. NW-SE., in sad-
 dle.
 S.69° E., 13.70 " " " " " 2. At 4.90 chs., saddle.
 At 8.80 chs., fence,
 brs. NW-SE.
 S.56° E., 4.70 " " " " " 3. At 4.10 chs., fence,
 brs. E-W.
 S.87° E., 2.80 " " " " " 4.
 N.64 $\frac{1}{4}$ ° E., 5.60 " " " " " 5. At 0.60 chs., fence,
 brs. E-W.
 S.85 $\frac{1}{2}$ ° E., 6.30 " " " " " 6.
 S.11 $\frac{1}{4}$ ° E., 2.80 " " " " " "

40.00 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in
 the ground to bedrock, deposit a stone mkd. with a
 cross (X) at base of post, supported by a md. of stone,
 for the 30 $\frac{1}{2}$ mile monument, with brass cap mkd.

30 $\frac{1}{2}$ M

PIR PL

1927

No bearing trees available.

Continue along the 31st. mile of the P.I.R. Bdy.
 S.61 $\frac{1}{2}$ ° E., 4.90 chs. to A.P.No.1. At 2.80 chs., fence,
 brs. E-W.
 S.44 $\frac{1}{2}$ ° E., 4.40 " " " " " 2. At 3.30 chs., saddle.
 S.12° E., 1.60 " " " " " 3. At 0.14 chs., fence
 brs. N-S.
 S.62 $\frac{1}{2}$ ° E., 2.90 " " " " " 4. At 2.00 chs., fence,
 brs. E-W.
 S.28 $\frac{1}{2}$ ° E., 4.90 " " " " " 5. At 1.80 chs., fence,
 brs. N-S.
 S.51 $\frac{1}{4}$ ° E., 3.20 " " " " " 6. At 2.50 chs., saddle.
 S.33 $\frac{1}{4}$ ° E., 3.30 " " " " " 7.
 N.77 $\frac{1}{4}$ ° E., 3.10 " " " " " 8.
 S.51 $\frac{1}{4}$ ° E., 4.00 " " " " " 9.
 N.81 $\frac{1}{4}$ ° E., 2.90 chs. " " " " " 10.
 S.45° E., 2.70 " " " " " 11. At 1.27 chs., intersect
 the subdivisional
 line bet. secs. 28
 and 33 described in
 hook "R".

80.00 N.88 $\frac{1}{4}$ ° E., 2.10 " " " " "
 Set an iron post 3 ft. long, 3 ins. in diam., 12 ins. in
 the ground to bedrock, deposit a stone mkd. with a
 cross (X) at base of post, supported by a md. of stone,
 for the 31st. mile monument, with brass cap mkd.

31 M

PL

PIR

1927

No bearing trees available.

Land, rolling top.
 Soil, rocky 4th. rate.
 Timber, oak and juniper.
 Undergrowth, scruboak, catclaw and cacti.

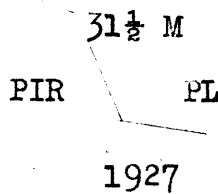
Survey of part of the boundary of the Papago Indian Reservation.
 18 (Along the summit of the Baboquivari Mountain Range.)

Chains

Thence,
 Along the 32nd. mile of the P.I.R. Bdy., in T.21 S., R.7 E.
 N.70 $\frac{1}{4}$ °E., 3.70 chs., to A.P.No.1. At 3.00 chs., inter-
 sect the subdiv-
 isional line bet.
 secs. 28 and 33,
 described in book
 "R".
 N.49 $\frac{1}{2}$ °E., 10.60 " " " " 2. At 6.90 chs., inter-
 sect the subdiv-
 isional line bet.
 secs. 27 and 28,
 described in book
 "R".
 At 7.30 chs., saddle.
 N.61 $\frac{1}{2}$ °E., 3.60 " " " " 3.
 N.38 $\frac{1}{4}$ °E., 3.70 " " " " 4.
 N.57 $\frac{3}{4}$ °E., 6.70 " " " " 5.
 S.82 $\frac{1}{2}$ °E., 7.60 " " " " 6. At 6.50 chs., saddle.
 S.57 $\frac{1}{2}$ °E., 4.10 " " " " 7.

40.00

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for the 31 $\frac{1}{2}$ mile monument, with brass cap
 mkd.

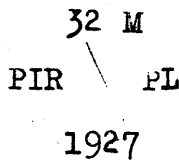


No bearing trees available; raise a md. of stone 3 ft.
 base, 1 $\frac{1}{2}$ ft. high W. of cor.

Continue along the 32nd. mile of the P.I.R. Bdy.
 S.70°E., 1.80 chs., to A.P.No.1. At 3.70 chs., saddle.
 N.63°E., 4.00 " " " " 2.
 S.71 $\frac{3}{4}$ °E., 2.10 " " " " 3.
 S.47 $\frac{1}{2}$ °E., 6.10 " " " " 4.
 S.18 $\frac{1}{2}$ °W., 3.20 " " " " 5.
 S.14 $\frac{1}{2}$ °E., 5.00 " " " " 6.
 S.24 $\frac{1}{2}$ °E., 4.60 " " " " 7. At 0.37 chs., intersect
 the subdiv-
 isional
 line bet. secs. 27
 and 34 described in
 book "R".

40.00

S.88°E., 4.40 " " " " 8.
 S.19°E., 2.20 " " " " 9.
 S.81 $\frac{1}{4}$ °E., 5.50 " " " " 10. At 4.70 chs., saddle.
 S.35 $\frac{1}{2}$ °E., 1.10 " " " " 11.
 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
 the ground for the 32nd. mile monument, with brass cap
 mkd.



No bearing trees available; raise a md. of stone 3 ft.
 base, 1 $\frac{1}{2}$ ft. high W. of cor.

Land, rolling top.
 Soil, rocky 4th. rate.
 Timber, oak and juniper.
 Undergrowth, scruboak, catclaw and cacti.

Survey of part of the boundary of the Papago Indian Reservation.
(Along the summit of the Baboquivari Mtn. Range.) 19

Chains

Thence,
Along the 33rd. mile of the P.I.R. Bdy., in T.21 S., R.7 E.
S. 35 $\frac{1}{2}$ ° E., 2.20 chs. to A.P. No. 1.
S. 70° E., 2.40 " " " " " 2.
S. 36° E., 2.70 " " " " " 3.
S. 79 $\frac{1}{4}$ ° E., 6.30 " " " " " 4.
S. 27 $\frac{1}{4}$ ° E., 5.50 " " " " " 5.
S. 57° E., 2.90 " " " " " 6.
N. 55 $\frac{1}{4}$ ° E., 2.30 " " " " " 7.

N. 35 $\frac{1}{4}$ ° E., 4.60 " " " " " 8.
N. 58° E., 2.30 " " " " " 9.
N. 32° E., 3.10 " " " " " 10.
N. 85° E., 5.70 " " " " " " At 3.90 chs., intersect
the subdivisional line
bet. secs. 34 and 35,
described in book "R".

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for the 32 $\frac{1}{2}$ mile monument, with brass cap
mkd.

32 $\frac{1}{2}$ M

PL

PIR
1927

No bearing trees available. Raise a md. of stone 3 ft.
base, 1 $\frac{1}{2}$ ft. high N. of cor.

Continue along the 33rd. mile of P.I.R. Bdy.

N. 80 $\frac{1}{4}$ ° E., 7.70 chs. to A.P. No. 1.
S. 82 $\frac{1}{2}$ ° E., 3.80 " " " " " 2. At 2.30 chs., pass, with
good road passing
thru same, brs. N-S.
S. 58 $\frac{1}{4}$ ° E., 3.20 " " " " " 3.
S. 46 $\frac{1}{4}$ ° E., 4.50 " " " " " 4.
S. 60 $\frac{1}{2}$ ° E., 4.00 " " " " " 5.
N. 55 $\frac{1}{4}$ ° E., 4.00 " " " " " 6.
S. 84 $\frac{1}{4}$ ° E., 4.10 " " " " " 7.
S. 30 $\frac{1}{2}$ ° E., 3.80 " " " " " 8.
S. 57 $\frac{1}{2}$ ° E., 2.80 " " " " " 9.
S. 7° E., 2.10 " " " " " "

80.00 Set an iron post 3 ft. long, 3 ins. in diam., 4 ins. in
the ground to bedrock, deposit a stone mkd. with a
cross (X) at base of post, supported by a md. of stone,
for the 33rd. mile monument, with brass cap mkd.

33 M

PIR PL

1927

No bearing trees available.

Land, rolling top.
Soil, rocky 4th. rate.
Timber, oak and juniper.
Undergrowth, scruboak, catclaw and cacti.

Chains

Thence,

Along the 3/4th. mile of the P.I.R. Bdy., in T.21 S., R.7 E.
 S.30 1/4° E., 8.90 chs. to A.P.No.1. At 3.20 chs., saddle.
 S.5 1/2° W., 2.40 " " " " 2.
 S.30° W., 3.20 " " " " 3.
 S.44 1/4° E., 4.60 " " " " 4.
 S.18° E., 5.90 " " " " 5.
 S.42° E., 3.00 " " " " 6.
 S.4° W., 7.70 " " " " 7.
 S.17 1/2° E., 4.30 " " " " "

40.00

Set an iron post 3 ft. long, 1 in. in diam., 3 ins. in the ground to bedrock, deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the 3 3/4th. mile monument, with brass cap mkd.

33 1/2 M

PIR | PL

1927

No bearing trees available.

Continue along the 3/4th. mile of the P.I.R. Bdy.

S.17 1/4° E., 5.20 chs. to A.P.No.1.
 S.63° E., 5.80 " " " " 2.
 S.44° E., 4.30 " " " " 3.
 S.82 1/4° E., 2.20 " " " " 4.
 S.24 1/2° W., 3.30 " " " " 5.
 S.24° W., 4.00 " " " " 6.
 S.19° E., 5.14 " " " " "

Intersect the South boundary of T.21 S., R.7 E., at 16.92 chs. N.89°52'E., of the 1/4 sec. cor. sec. 35, described in book "R", of this Group.

At intersection set an iron post 3 ft. long, 3 ins. in diam., 8 ins. in the ground to bedrock; deposit a stone mkd. with a cross (X) at base of post, supported by a md. of stone, for the closing corner of P.I.R. Bdy., with brass cap mkd.

C C

AP | T21S
PIR | R7E
S35

S2

T22S

R7E

1927

No bearing trees available.

Land, rolling.

Soil, rocky 4th. rate.

Timber, oak and juniper.

Undergrowth, scruboak, catclaw and cacti.

The continued satisfactory adjustment of the instruments is indicated by tests described in book "R".

GENERAL DESCRIPTION.

The portion of the Papago Indian Reservation boundary, lying within Ts. 20 and 21 S., R.7 E., surveyed under this group is at an elevation ranging from 6500 ft. above sea level on the northern end to 4500 ft. on the southern end. The north two miles, in T.20 S., R.7 E., is over rough, broken land, with cliffs in a few places, while the remainder of the miles is over rolling and smooth land.

The predominant forest species are oak and juniper, with a scattering growth.

No water was found along the entire line surveyed.

A good automobile road was crossed near the extreme southern end of the line, leading from the Altar valley on the east to the Baboquivari Valley on the west side of the Baboquivari mountain range.

A wire drift fence is built along the summit of the Baboquivari range thru most of Ts. 20 and 21 S., R.7 E.

Cattle are grazed in large numbers on both sides of the divide, especially on the East.

Boundaries of that part of T.20 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 (4th Std. Par. S.)	West	304.25				304.25
Boundary of Papago Indian Reservation.	Various V		481.36		203.06	109.43
North Boundary	East N. 89° 56' E. East	127.94 39.93 39.98	.05		127.94 39.93 39.98	
East Boundary	S. 0° 30' E.,	40.21		40.21	40.35	
	S. 0° 40' E.,	40.00		40.00	.47	
	S. 0° 32' W.,	40.00		40.00		.37
	S. 0° 34' W.,	40.02		40.02		.40
	S. 0° 03' W.,	40.04		40.04		.04
	S. 0° 53' E.,	40.03		40.03	.62	
	S. 0° 05' E.,	40.01		40.01	.06	
	S. 0° 37' E.,	40.04		40.04	.43	
	S. 0° 05' E.,	79.94		79.94	.06	
S. 0° 21' E.,	79.98		79.98	.49		
Convergency					.26	
Totals			481.41	480.27	413.65	414.49
			480.27			413.65
	Error in latitude		1.14			
	Error in departure					0.84

4-680

FIELD ASSISTANTS.

TO

Charles E. Hunter, U.S. Transitman

NAMES.	CAPACITY.
<i>Leroy R. Hanson</i>	<i>1st Chainman</i>
<i>A. L. Bailey</i>	<i>2nd Chainman</i>

CERTIFICATE OF U.S. TRANSITMAN

I, Charles E. Hunter U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 100, Arizona bearing date of the 25th day of September, 1919, 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 Boundary of the Papago Indian Reservation

thru

T. 20 S., R. 7 E. and T. 21 S., R. 7 E.

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in 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. Surveyor General, for Group 100 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: April 23, 1928.

Charles E. Hunter U.S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 19

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 UNITED STATES SURVEYOR.

I, Benjamin J. Kinsey, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 100, Arizona bearing date of the 25th day of September, 1919, 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 Boundary of the Papago Indian Reservation thru

T. 20 S., R. 7 E. and T. 21 S., R. 7 E.

of the Gila and Salt

River Base Meridian, in the State of Arizona, which are represented in 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. Surveyor General, for Group 100 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 Ariz.

Date: April 3, 1928.

Benjamin J. Kinsey, U. S. Surveyor.

APPROVAL.

OFFICE OF THE U.S. SUPERVISOR OF SURVEYS

Denver, Colo., April 27, 1928

The foregoing field notes of the survey of

the Boundary of the Papago Indian Reservation thru

T. 20 S., R. 7 E. and T. 21 S., R. 7 E.

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

executed by Benjamin J. Kinsey, U.S. Surveyor and Charles E. Hunter, U.S. Transitman under special instructions dated September 25, 1919 for Group 100 Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Charles E. Hunter, 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.