

BOOK 3423

FIELD NOTES

OF THE ~~RECORDS~~ SURVEY OF THE

RESURVEY OF

Subdivision Lines

in

TOWNSHIP 16 SOUTH RANGE 11 EAST

Within the Papago Indian Reservation

Of the Gila & Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Charles M. Leedy

In the capacity of U. S. Surveyor, under instructions dated Oct. 6, 1914

Commissioner of the General Land Office to A. F. Dunnington,
issued by the ~~United States Surveyor General to govern surveys included in~~
Topographer in Charge of Indian Surveys

Group No. ~~---~~, which were approved by the Commissioner of the General Land

Office, ~~---~~, 191~~---~~, pursuant to authority contained in the Act of

Congress dated ~~---~~, 191~~---~~

Survey commenced July 1, 1915

Survey completed July 14, 1915

1A

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INDEX DIAGRAM.

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Resurvey of Subdivision lines of T. 16 S., R. 11 E.

Chains

Survey commenced July 1, 1915, by Charles M. Leedy, U. S. Surveyor, and executed with a Young and Sons' light mountain transit No. 8501, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The iron posts used in this survey are the regular General Land Office iron posts 3 ft. long, set 26 inches in the ground, filled with cement, and fitted with brass caps. The posts at section corners are 2 inches in diameter and those at $\frac{1}{4}$ sec. cor. are 1 inch in diameter.

The instrument was adjusted and tested on a meridian at the camp near the center of sec. 29, T. 16 S., R. 12 E. For description of Polaris observation see book of Subdivision T. 16 S., R. 12 E. - Book E.

The SE. cor. of this township is in Latitude $32^{\circ} 00'$ N., Longitude $111^{\circ} 10'$ W.

July 1, 1915. At 8^h 0^m a.m., l.m.t., I set off $32^{\circ} 1'$ on lat. arc, and $23^{\circ} 10\frac{1}{2}'$ N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 25, 26, 35 and 36, on S. bdy. of Papago Indian Reservation, previously described.

Thence I run

N. on a random line retracing the line bet. secs. 25 and 26.

40.00 Unable after diligent search to find any trace of the old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.00 Unable after diligent search to find any trace of the old cor. of secs. 23, 24, 25 and 26. Set temp. cor.

I continue N. on a random line retracing the line bet. secs. 23 and 24.

40.00 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.

78.42 Fall 1.41 chs. E. of the old cor. of secs. 13, 14, 23 and 24, which is a post 4 ins. square, mkd. as described.

Note: The temp. cors are adjusted to their proportionate positions on meridional line.

Resurvey of Subdivision lines of T. 16 S., R. 11 E.

Chains

From the old cor. of secs. 13, 14, 23 and 24.

I run

N. bet. secs. 13 and 14, retracing the line bet. secs. 13 and 14.

40.27 Fall 40 lks. W. of the point for the $\frac{1}{4}$ sec. cor. as established from old B. T.

From the reestablished point for the $\frac{1}{4}$ sec. cor. bet. secs. 13 and 14, I run

N. retracing the line bet. secs. 13 and 14.

39.32 Fall 67 lks. E. of the point for the cor. of secs. 11, 12, 13 and 14, as established from old B. T.

From the reestablished point for the cor. of secs. 11, 12, 13 and 14, I run -

N. retracing the line bet. secs. 11 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor. The old post was found lying loose on top of ground in vicinity. Also found old B. T. which bore NW. from both my temp. and the old post and also blazed on the SE. face. The original notes reported this tree NE., which if the $\frac{1}{4}$ cor. had been reestablished using this probable erroneous bearing of NE. (instead of NW) would have thrown alignment very much out. I disregard same and will establish this $\frac{1}{4}$ sec. cor. on line bet. sec. cors.

80.65 Fall 91 lks. W. of the point for the cor. of secs. 1, 2, 11 and 12, as established from old B. T.

From reestablished point for the cor. of secs. 1, 2, 11 and 12, I run -

N. retracing line bet. secs. 1 and 2.

40.00 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.

91.24 Fall 1.01 chs. E. of the reestablished C. C. of secs. 1 and 2, on the N. bdy. of the tp. previously described.

July 1st, 1915. At this cor. I set off $23^{\circ} 10'$ N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is $32^{\circ} 5'$ which is the proper lat.

From the reestablished C. C. of secs. 2 and 3, on N. bdy. of tp. previously described, I run -

Resurvey of Subdivision lines of T. 16 S., R. 11 E.

Chains

S. retracing the line bet. secs. 2 and 3.

51.39 Fall 97 lks. W. of the point for the 1/4 sec. cor., as established from the old B. T.

From the reestablished point for the 1/4 sec. cor. bet. secs. 2 and 3, I run -

S. retracing line bet. secs. 2 and 3.

39.91 Fall 8 lks. W. of the point for the cor. of secs. 2, 3, 10 and 11, as established from old B. T.

From the reestablished point for the cor. of secs. 2, 3, 10 and 11, I run -

S. retracing line bet. secs. 10 and 11.

40.13 Fall 80 lks. E. of the old 1/4 sec. cor., which is a post 3 ins. square, mkd. as described.

From the old 1/4 sec. cor. bet. secs. 10 and 11, I run -

S. retracing the line bet. secs. 10 and 11.

39.97 Fall 23 lks. W. of the point for the cor. of secs. 10, 11, 14 and 15, as established from the old B. T. Old post was found lying loose on top of ground in vicinity.

From the reestablished point for the cor. of secs. 10, 11, 14 and 15, I run -

S. retracing the line bet. secs. 14 and 15.

39.61 Fall 45 lks. W. of point for the 1/4 sec. cor. bet. secs. 14 and 15, as established from old B. T.

From the reestablished point for the 1/4 sec. cor. bet. secs. 14 and 15, I run -

S. retracing line bet. secs. 14 and 15.

40.03 Fall 15 lks. E. of the old cor. of secs. 14, 15, 22 and 23, which is a post 4 ins. square, well set and mkd. as described.

Resurvey of Subdivision lines of T. 16 S., R. 11 E.

Chains

From the old cor. of secs. 14, 15, 22 and 23, I run -
S. retracing the line bet. secs. 22 and 23.

39.52 Fall 82 lks. W. of the old $\frac{1}{4}$ sec. cor., which is
a post 3 ins. square, well set and mkd. as described.

From the old $\frac{1}{4}$ sec. cor. bet. secs. 22 and 23, I run -
S. retracing line bet. secs. 22 and 23.

40.01 Fall 47 lks. W. of the old cor. of secs. 22, 23, 26
and 27, which is a post 4 ins. square, well set and
mkd. as described.

From the old cor. of secs. 22, 23, 26 and 27, I run -
S. retracing line bet. secs. 26 and 27.

39.24 Fall 92 lks. E. of the old $\frac{1}{4}$ sec. cor., which is a
stone 20 x 14 x 10 ins., set in a mound of stone,
mkd. as described.

From the old $\frac{1}{4}$ sec. cor. bet. secs. 26 and 27, I run -
S. retracing line bet. secs. 26 and 27.

39.80 Fall 83 lks. W. of the cor. of secs. 26, 27, 34 and 35,
on S. bdy. of Papago Indian Reservation, previously
described.

July 1, 1915.

July 2nd, 1915. At 8^h 0^m a.m., l.m.t., I set off
32° 2' on lat. arc, and 23° 7' N. on decl. arc,
and determine a meridian with the solar at the
reestablished cor. of secs. 19, 24, 25 and 30,
on E. bdy. of tp.

Thence I run

W. retracing the line bet. secs. 24 and 25.

40.00 Unable after diligent search to find any trace of
the old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.09 Fall 23 lks. S. of adjusted temp. cor. of secs.
23, 24, 25 and 26.

I continue W. retracing the line bet. secs. 23 and 26.

40.00 Unable after diligent search to find any trace of
the old $\frac{1}{4}$ sec. cor. Set temp. cor.

E.C. 1. 343

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Chains

79.27 Fall 54 lks. N. of the old cor. of secs. 22, 23, 26 and 27.

From the old cor. of secs. 22, 23, 26 and 27, I continue -

W. retracing line bet. secs. 22 and 27.

40.00 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.50 Fall 45 lks. N. of the reestablished cor. of secs. 21, 22, 27 and 28, on W. bdy. of Papago Indian Reservation, previously described.

From the old cor. of secs. 15, 16, 21 and 22, on W. bdy. of Papago Indian Reservation, previously described, I run -

E. retracing line bet. secs. 15 and 22.

40.00 Unable after diligent search to find any trace of the old $\frac{1}{4}$ sec. cor. Set temp. cor.

79.79 Fall 45 lks. S. of the old cor. of secs. 14, 15, 22 and 23.

From the old cor. of secs. 14, 15, 22 and 23, I run -

E. retracing line bet. secs. 14 and 23.

40.00 Unable after diligent search to find any trace of the old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.06 Fall 44 lks. S. of the old cor. of secs. 13, 14, 23 and 24.

From the old cor. of secs. 13, 14, 23 and 24, I run -

E. retracing line bet. secs. 13 and 24.

40.00 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.36 Fall 35 lks. S. of the old cor. of secs. 13, 18, 19 and 24, on E. bdy. of tp. previously described.

July 2, 1915. At this cor. I set off $23^{\circ} 6'$ N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is $32^{\circ} 24'$ which is the proper lat.

Resurvey of Subdivision lines of T. 16 S., R. 11 E.

Chains

From the old cor. of secs. 7, 12, 13 and 18, on E. bdy. of tp., previously described, I run -

W. retracing line bet. secs. 12 and 13.

40.00 Unable after diligent search to find any trace of the old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.02 Fall 79 lks. N. of reestablished point for the cor. of secs. 11, 12, 13 and 14.

From the reestablished point for the cor. of secs. 11, 12, 13 and 14, I run

W. retracing line bet. secs. 11 and 14.

40.00 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.

79.94 Fall 35 lks. N. of reestablished point for the cor. of secs. 10, 11, 14 and 15.

From the reestablished point for the cor. of secs. 10, 11, 14 and 15, I run -

W. retracing line bet. secs. 10 and 15.

40.00 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.02 Fall 16 lks. N. of reestablished cor. of secs. 9, 10, 15 and 16, on W. bdy. of Papago Indian Reservation, previously described.

From the reestablished cor. of secs. 3, 4, 9 and 10, on the W. bdy. of Papago Indian Reservation, previously described, I run -

E. retracing line bet. secs. 3 and 10.

40.00 Unable after diligent search to find any trace of the old $\frac{1}{4}$ sec. cor. Set temp. cor.

81.28 Fall 52 lks. S. of reestablished point for the cor. of secs. 2, 3, 10 and 11.

From the reestablished cor. of secs. 2, 3, 10 and 11, I run -

E. retracing line bet. secs. 2 and 11,

39.96 Fall 51 lks. S. of the old $\frac{1}{4}$ sec. cor. bet. secs. 2 and 11, which is a post 3 ins. square, well set and marked as described.

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Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

From the old $\frac{1}{4}$ sec. cor. bet. secs. 2 and 11, I run -
E. retracing line bet. secs. 2 and 11.

40.22 Fall 35 lks. S. of reestablished point for the cor.
of secs. 1, 2, 11 and 12.

From the reestablished point for the cor. of secs.
1, 2, 11 and 12, I run -

E. retracing line bet. secs. 1 and 12.

40.00 Unable after diligent search to find any trace of
old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.02 Fall 77 lks. S. of reestablished cor. of secs. 1, 6,
7 and 12, on E. bdy. of tp. previously described.

July 2, 1915.

July 3, 1915, at 8^h 0^m a.m., l.m.t., I set off 32° 1'
on lat. arc, and 23° 2' N. on decl. arc, and deter-
mine a meridian with the solar at the old cor. of
secs. 25, 26, 35 and 36, on the S. bdy. of Papago
Indian Reservation, previously described.

Thence I run

N. 0° 12' W. on a true line bet. secs. 25 and 26.

Desc. gradually over gently rolling land, through
scattered mesquite, palo verde and cactus.

8.30 Wash, 15 lks. wide, course NW.

37.20 Road, brs. N. 5° E. and S. 5° W.

39.60 The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs.
25 and 26.

Set an iron post 1 in. dia., stamped on cap

$\frac{1}{4}$ in N.
S 26 in W.
S 25 in E.
1915 in S.

Cor. set 6 ins. in ground on solid rock with mound of
stone around.

No B. T.s available.

61.60 Wash, 40 lks. wide, course N. 30° W.

79.21 The proportional point for the cor. of secs. 23, 24
25 and 26.

Set an iron post 2 ins. dia., stamped on cap

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

T 16 S S 23 in NW.
R 11 E S 24 in NE.
S 25 in SE.
S 26 in SW.
1915 in S.

Cor. set 6 ins. in ground on solid rock with mound of stone around.

No B. T.s availabel.

Land, rolling, broken.
Soil, rocky, 3rd and 4th rate.
Timber, scattered mesquite and palo verde, 79.21 chs.
Mesquite and palo verde brush and cactus, 79.21 chs.

Thence I run

S. 89° 50' E. on a true line bet. secs. 24 and 25.

Over gently rolling land, through scattered mesquite and palo verde and cactus.

21.80 Wash, 20 lks. wide, course N. 15° W.

39.83 The proportional point for the 1/4 sec. cor. bet. secs. 24 and 25.

Set an iron post 1 in. dia., stamped on cap

1/4 in W.
S 24 in N.
S 25 1915 in S.

Dig pits 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

No suitable B. T.s

48.30 Wash, 30 l ks. wide, course N.

67.20 Wash, 40 lks. wide, course N.

78.50 Wash, 15 lks. wide, course N. 30° W.

79.66 The reestablished cor. of secs. 19, 24, 25 and 30, on E. bdy. of tp., previously described.

Land, rolling and broken.
Soil, 3rd and 4th rate.
Timber, scattered mesquite and palo verde, 79.66 chs.
Mesquite and palo verde and cactus, 79.66 chs.

Returning to the reestablished cor. of secs. 23, 24, 25 and 26.

Thence I run

N. 0° 49' W. on a true line bet. secs. 23 and 24.

Desc. gradually over gently rolling land, through scattered mesquite, palo verde and cactus.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

.80 Road, brs. N. 5° W. and S. 5° E.

39.60 Proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 23 and 24.
Set an iron post 1 in. dia., stamped on cap
 $\frac{1}{4}$ in N.
S 23 in W.
S 24 in E.
1915 in S.

From which a
Mesquite 4 ins. dia., brs. S. 83 $\frac{1}{4}$ ° E., 11 lks. dist.,
mkd. $\frac{1}{4}$ S 24 B T.
Mesquite 6 ins. dia., brs. S. 72 $\frac{1}{4}$ ° W., 40 lks. dist.,
mkd. $\frac{1}{4}$ S 23 B T.

58.50 Wash, 20 lks. wide, course NW.

68.80 Wash, 20 lks. wide, course NW.

79.21 The old cor. of secs. 13, 14, 23 and 24, which is
a mesquite post 4 ins. square, well set and
plainly mkd.
T XVI S XIII on NE.
R XI E XXIV on SE.
XXIII on SW.
XIV on NW.

N. and alongside set an iron post 2 ins. dia.,
stamped on cap
T 16 S S 14 in NW.
R 11 E S 13 in NE.
S 24 in SE.
S 23 in SW.
1915 in S.

To further perpetuate this cor. I take a
Mesquite 5 ins. dia., brs. N. 20 $\frac{1}{2}$ ° E., 231 lks. dist.,
mkd. T 16 S R 11 E S 13 B T.
Palo verde 8 ins. dia., brs. S. 80 $\frac{1}{2}$ ° E., 165 lks. dist.,
mkd. T 16 S R 11 E S 24 B T.
Mesquite 10 ins. dia., brs. S. 82° W., 161 lks. dist.,
mkd. T 16 S R 11 E S 23 B T.
Palo verde 6 ins. dia., brs. N. 24 $\frac{1}{2}$ ° W., 130 lks. dist.,
mkd. T 16 S R 11 E S 14 B T.

Land, gently rolling.
Soil, 2nd and 3rd rate.
Timber, scattered mesquite and palo verde, 79.21 chs.
Mesquite and palo verde brush and cactus, 79.21 chs.

Thence N. 89° 45' E. on a true line bet. secs. 13
and 24.

Over gently rolling land, through scattered mesquite
palo verde and cactus.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

- 7.10 Wash, 20 lks. wide, course NW.
- 20.00 Wash, 10 lks. wide, course N. 30° W.
- 40.18 The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 13 and 24.
- Set an iron post 1 in. dia., stamped on cap
- $\frac{1}{4}$ in W.
S 13 in N.
S 24 1915 in S.
- From which a
- Mesquite 6 ins. dia., brs. N. 50 $\frac{1}{2}$ ° E., 72 lks. dist.,
mkd. $\frac{1}{4}$ S 13 B T.
- Mesquite 5 ins. dia., brs. S. 56 $\frac{1}{4}$ ° W., 79 lks. dist.,
mkd. $\frac{1}{4}$ S 24 B T.
- 43.10 Wash, 100 lks. wide, course N.
- 46.70 Wash, 100 lks. wide, course N.
- 56.70 Wash, 20 lks. wide, course N. 10° W.
- 80.36 The old cor. of secs. 13, 18, 19 and 24, on E. bdy. of tp. previously described.
- Land, gently rolling.
Soil, 2nd and 3rd rate.
Timber, scattered mesquite and palo verde, 80.36 chs.
Scattered mesquite and palo verde brush and cactus, 80.36 chs.
- July 3, 1915. At this cor. I set off 23° 1' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 2 $\frac{1}{2}$ ' which is the proper lat.
-
- Returning to the old cor. of secs. 13, 14, 23 and 24
- Thence I run
- N. 0° 34' E. on a true line bet. secs. 13 and 14.
- Desc. over gently rolling land, through scattered mesquite, palo verde and cactus.
- 21.90 Wash, 20 lks. wide, course N. 30° W.
- 40.27 The point for the reestablished $\frac{1}{4}$ sec. cor. bet. secs. 13 and 14.
- Set an iron post 1 in. dia., stamped on cap
- $\frac{1}{4}$ in N.
S 14 in W.
S 13 in E.
1915 in S.
- From which the old B. T., mkd. XIV is a
- Mesquite 10 ins. dia., brs. S. 25° W., 73 lks. dist.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

I take for other tree a

Palo verde 6 ins. dia., brs. N. $41\frac{1}{2}^{\circ}$ E., 37 lks. dist.,
mkd. $\frac{1}{4}$ S 13 B T.

Land, gently rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 40.27 chs.

Mesquite and palo verde brush and cactus, 40.27 chs.

Thence N. $0^{\circ} 58'$ W. on a true line bet. secs. 13 and
14.

Desc. gradually over gently rolling land, through
scattered mesquite and palo verde and cactus.

22.60 Wash, 30 lks. wide, course N. 15° W.

27.30 Road, brs. NE. & SW.

39.33 The reestablished point for the cor. of secs. 11, 12,
13 and 14.

Set an iron post 2 ins. dia., stamped on cap

T 16 S S 11 in NW.

R 11 E S 12 in NE.

S 13 in SE.

S 14 in SW.

1915 in S.

From which a

Palo verde 4 ins. dia., brs. N. 10° E., 99 lks. dist.,
mkd. T 16 S R 11 E S 12 B T.

Palo verde 6 ins. dia., brs. S. $32\frac{1}{2}^{\circ}$ E., 120 lks. dist.,
mkd. T 16 S R 11 E S 13 B T.

Mesquite 5 ins. dia., brs. N. $42\frac{3}{4}^{\circ}$ W., 140 lks. dist.,
mkd. T 16 S R 11 E S 11 B T.

And an old B. T. which is a

Palo verde 8 ins. dia., brs. S. 45° W., 80 lks. dist.,
mkd. XIV.

Land, gently rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 39.33 chs.

Mesquite and palo verde brush and cactus, 39.33 chs.

Thence N. $89^{\circ} 26'$ E. on a true line bet. secs. 12
and 13.

Over gently rolling land, through scattered mesquite,
palo verde and cactus.

7.50 Road, brs. NE. & SW.

37.40 Wash, 100 lks. wide, course N. 30° W.

40.01 The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs.
12 and 13.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

Set an iron post 1 in. dia., stamped on cap

$\frac{1}{4}$ in W.
S 12 in N.
S 13 1915 in S.

From which a

Mesquite 6 ins. dia., brs. S. $61\frac{1}{2}^{\circ}$ E., 85 lks. dist.,
mkd. $\frac{1}{4}$ S 13 B T.

Palo verde 5 ins. dia., brs. N. $28\frac{3}{4}^{\circ}$ W., 12 lks. dist.,
mkd. $\frac{1}{4}$ S 12 B T.

51.60 Wash, 40 lks. wide, course NW.

80.02 The old cor. of secs. 7, 12, 13 and 18, on E. bdy. of
tp., previously described.

Land, gently rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.02 chs.

Mesquite and palo verde brush and cactus, 80.02 chs.

Returning to the reestablished cor. of secs. 11, 12, 13
and 14.

Thence I run,

N. $0^{\circ} 39'$ E. on a true line bet. secs. 11 and 12.

Desc. over gently rolling land, through scattered
mesquite, palo verde and cactus.

40.32 The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs.
11 and 12.

Set an iron post 1 in. dia., stamped on cap

$\frac{1}{4}$ in N.
S 11 in W.
S 12 in E.
1915 in S.

From which a

Mesquite 6 ins. dia., brs. S. $29\frac{1}{4}^{\circ}$ E., 194 lks. dist.,
mkd. $\frac{1}{4}$ S 12 B T.

Mesquite 6 ins. dia., brs. S. 58° W., 113 lks. dist.,
mkd. $\frac{1}{4}$ S 11 B T.

58.00 Wash, 50 lks. wide, course NW.

80.65 The reestablished point for the cor. of secs. 1, 2,
11 and 12.

Set an iron post 2 ins. dia., stamped on cap

T 16 S S 2 in NW.
R 11 E S 1 in NE.
S 12 in SE.
S 11 in SW.
1915 in S.

From which old B. T.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

Palo verde 10 ins. dia., brs. S. 20° E., 96 lks. dist.,
mkd. XII.

New B. T.s

Mesquite 4 ins. dia., brs. N. 18½° E., 110 lks. dist.,
mkd. T 16 S R 11 E S 1 B T.

Palo verde 6 ins. dia., brs. S. 71½° W., 170 lks. dist.,
mkd. T 16 S R 11 E S 11 B T.

Mesquite 10 ins. dia., brs. N. 76° W., 130 lks. dist.,
mkd. T 16 S R 11 E S 2 B T.

Land, gently rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.65 chs.

Mesquite and palo verde brush and cactus, 80.65 chs.

July 3, 1915.

July 14, 1915.

Thence N. 89° 27' E. on a true line bet. secs. 1 and 12.

Over rolling land, sloping gently towards N., through
scattered mesquite, palo verde and cactus.

Seeing that true point for the ¼ sec. cor. will fall
in wash

39.88

Set W. C. to the ¼ sec. cor. bet. secs. 1 and 12
(13 lks. S. 89° 27' W. from true point).

Set an iron post 1 in. dia., stamped on cap

¼ in W.
S 1 in N.
S 12 1915 in S.
W C in E.

Dig pits 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist.,
and raise a mound of earth 3½ ft. base, 1½ ft. high,
N. of cor.

No B. T.s available.

40.01

The proportionate point for the ¼ sec. cor. bet. secs.
1 and 12 falls in wash, 10 lks. wide, course N.

61.50

Wash 20 lks. wide, course N. 30° W.

75.40

Road, brs. NE. & SW.

80.02

The reestablished cor. of secs. 1, 6, 7 and 12, on
E. bdy. of tp. previously described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.02 chs.

Mesquite and palo verde brush and cactus, 80.02 chs.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

Returning to the reestablished cor. of secs. 1, 2,
11 and 12

Thence I run

N. 0° 38' W. on a true line bet. secs. 1 and 2.

Desc. over gently rolling land, through scattered
mesquite, palo verde and cactus.

40.62

The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs.
1 and 2.

Set an iron post 1 in. dia., stamped on cap

$\frac{1}{4}$ in N.
S 2 in W.
S 1 in E.
1915 in S.

From which a

Palo verde 6 ins. dia., brs. S. 55° E., 134 lks. dist.,
mkd. $\frac{1}{4}$ S 1 B T.

Palo verde 8 ins. dia., brs. N. 23 $\frac{1}{2}$ ° W., 130 lks. dist.,
mkd. $\frac{1}{4}$ S 2 B T.

91.24

(50.62) The reestablished C. C. of secs. 1 and 2, on
N. bdy. of tp. previously described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 91.24 chs.

Mesquite and palo verde brush and cactus, 91.24 chs.

July 14, 1915.

July 5, 1915. At 8^h 0^m a.m., l.m.t., I set off 32°
1' on lat. arc, and 22° 52 $\frac{1}{2}$ ' N. on decl. arc, and
determine a meridian with the solar at the cor. of
secs. 26, 27, 34 and 35, on S. bdy. of Papago
Indian Reservation, previously described.

Thence I run

N. 1° 12' W. on a true line bet. secs. 26 and 27, S. $\frac{1}{2}$.

Over broken land through scattered mesquite and palo
verde and cactus.

20.00

Stone house, brs. about 12 chs. E.

39.81

The old $\frac{1}{4}$ sec. cor. which is a malpais 20 x 14 x 10 ins.
in mound of stone, plainly mkd. $\frac{1}{4}$ on W. face.

N. and alongside set an iron post 1 in. dia.,
stamped on cap

$\frac{1}{4}$ in N.
S 27 in W.
S 26 in E.
1915 in S.

Cor. set 10 ins. in ground on solid rock with mound
of stone around.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

No B. T.s available.

Land, rolling and broken.

Soil, rocky 4th rate.

Timber, scattered mesquite and palo verde, 39.81 chs.

Mesquite and palo verde brush and cactus, 39.81 chs.

Thence N. 1° 21' E. on a true line bet. secs. 26
and 27, N. $\frac{1}{2}$.

Desc. gradually over gently rolling land, through
scattered mesquite, palo verde and cactus.

1.80

Wash, 20 lks. wide, course NW.

39.25

The old cor. of secs. 22, 23, 26 and 27, which is
a mesquite post 4 ins. square, well set and plainly
mkd.

T XVI S XXIII on NE.
R XI E S XXVI on SE.
XXVII on SW.
XXII On NW.

N. and alongside set an iron post 2 ins. dia.,
stamped on cap

T 16 S S 22 in NW.
R 11 E S 23 in NE.
S 26 in Se.
S 27 in SW.
1915 in S.

To further perpetuate this cor. I take

Palo verde 5 ins. dia., N. 56 $\frac{1}{2}$ ° E., 60 lks. dist.,
mkd. T 16 S R 11 E S 23 B T.

Palo verde 8 ins. dia., brs, S. 39 $\frac{1}{2}$ ° E., 177 lks. dist.,
mkd. T 16 S R 11 E S 26 B T.

Mesquite 10 ins. dia., brs. N. 84 $\frac{1}{2}$ ° W., 106 lks. dist.,
mkd. T 16 S R 11 E S 22 B T.

Old B. T.

Mesquite 10 ins. dia., brs. S. 54 $\frac{1}{2}$ ° W., 53 lks. dist.,
mkd. XXVII.

Land, gently rolling.

Soil, 3rd rate.

Timber, mesquite and palo verde, 39.25 chs.

Mesquite and palo verde brush and cactus, 39.25 chs.

Thence N. 89° 26' E. on a true line bet. secs. 23
and 26.

Over rolling land, sloping gently towards N., through
scattered mesquite and palo verde and cactus.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains	
8.40	Road, brs. N. & S. in wash 60 lks. wide, course N. 10° W.
15.40	Wash, 20 lks. wide, course N.
39.85	The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 23 and 26. Set an iron post 1 in. dia., stamped on cap $\frac{1}{4}$ in W. S 23 in N. S 26 1915 in S. From which a Mesquite 6 ins. dia., brs. N. 63 $\frac{1}{2}$ ° E., 68 lks. dist., mkd. $\frac{1}{4}$ S 23 B T. Mesquite 8 ins. dia., brs. S. 38° E., 68 lks. dist., mkd. $\frac{1}{4}$ S 26 B T.
44.30	Wash, 10 lks. wide, course N.
49.40	Wash. 20 lks. wide, course N.
67.10	Wash, 40 lks. wide, course N.
79.70	The restored cor. of secs. 23, 24, 25 and 26. Land, rolling. Soil, 3rd rate. Timber, scattered mesquite and palo verde, 79.70 chs. Mesquite and palo verde brush and cactus, 79.70 chs.

	Returning to the old cor. of secs. 22, 23, 26 and 27. Thence I run S. 89° 41' W. on a true line bet. secs. 22 and 27. Over rolling land, sloping gently towards N., through mesquite, palo verde and cactus.
20.30	Wash, 20 lks. wide, course NW.
27.80	Wash, 10 lks. wide, course NW.
36.80	Wash, 1.00 ch. wide, course N.
40.29	The proportional point for the $\frac{1}{4}$ cor. secs. 22 and 27. Set an iron post 1 in. dia., stamped on cap $\frac{1}{4}$ in W. S 22 in N. S 27 1915 in S. From which a Palo verde 5 ins. dia., brs. S. 36 $\frac{1}{4}$ ° W., 202 lks. dist., mkd. $\frac{1}{4}$ S 27 B T. Mesquite 6 ins. dia., brs. N. 40 $\frac{1}{4}$ ° W., 138 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains	
46.10	Road, brs. NE. & SW.
56.00	Wash, 10 lks. wide, course NW.
69.00	Wash, 20 lks. wide, course NW.
80.50	(40.21) The reestablished cor. of secs. 21, 22, 27, and 28, on W. bdy. of Papago Indian Reservation previously described. Land, rolling. Soil, 3rd rate. Timber, scattered mesquite and palo verde, 80.50 chs. Mesquite and palo verde brush and cactus, 80.50 chs.

Returning to the cor. of secs. 22, 23, 26 and 27.
Thence I run
N. 0° 40' W. on a true line bet. secs. 22 and 23.
Desc. gradually over rolling land, through scattered mesquite, palo verde and cactus.

15.50 Enter wash, 100 lks. wide, course N. from S. 30° E.
31.00 Leave wash, 100 lks. wide, course N. 15 ° W. from S.
40.01 The old $\frac{1}{4}$ cor. of secs. 22 and 23, which is a mesquite post 3 ins. square, well set and plainly mkd. $\frac{1}{4}$ on W. Face.

N. and alongside set an iron post 1 in. dia., stamped on cap

 $\frac{1}{4}$ in N.
S 22 in W.
S 23 in E.
1915 in S.

From which a
Mesquite 6 ins. dia., brs. S. 61 $\frac{1}{2}$ ° E., 67 lks. dist., mkd. $\frac{1}{4}$ S 23 B T.
Mesquite 6 ins. dia., brs. N. 57 $\frac{1}{2}$ ° W., 83 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.

Land, rolling,
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 40.01 chs.
Mesquite and palo verde brush and cactus, 40.01 chs.

July 5, 1915. At this cor. I set off 22° 51' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 2 $\frac{1}{2}$ ' which is the proper lat.

Thence N. 1° 12' W. on a true line bet. secs. 22 and 23.
Desc. over gently rolling land, through scattered mesquite, palo verde and cactus.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

24.70

Road, brs. NE. & SW.

39.53

The old cor. of secs. 14, 15, 22 and 23, which is a mesquite post 4 ins. square, well set and plainly mkd.

T XVI S XIV on NE.
R XI E XXIII on SE.
XXII on SW.
XV on NW.

N. and alongside set an iron post 2 ins. dia., stamped on cap.

T 16 S S 15 in NW.
R 11 E S 14 in NE.
S 23 in SE.
S 22 in SW.
1915 in S.

From which the old B. T. a

Palo verde 8 ins. dia., brs. N. $68\frac{1}{2}^{\circ}$ E., 42 lks. dist. mkd. XIV.

New B. T.s

Palo verde 10 ins. dia., brs. S. $15\frac{1}{2}^{\circ}$ E., 156 lks. dist., mkd. T 16 S R 11 E S 23 B T.

Palo verde 8 ins. dia., brs. S. $6\frac{1}{2}^{\circ}$ W., 59 lks. dist., mkd. T 16 S R 11 E S 22 B T.

Palo verde 8 ins. dia., brs. N. $79\frac{1}{2}^{\circ}$ W., 99 lks. dist., mkd. T 16 S R 11 E S 15 B T.

Land, gently rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde 39.53 chs.

Mesquite and palo verde brush and cactus, 30.53 chs.

Thence N. $89^{\circ} 41'$ E. on a true line bet. secs. 14 and 23.

Over rolling land sloping gently towards N., through scattered mesquite, palo verde and cactus.

9.50

Road, brs. NE. & SW.

13.60

Wash, 60 lks. wide, course N.

20.40

Road, brs. N. & S.

40.03

The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 14 and 23.

Set an iron post 1 in. dia., stamped on cap

$\frac{1}{4}$ in W.
S 14 in N.
S 23 1915 in S.

From which a

Mesquite 5 ins. dia., brs. N. $10\frac{1}{4}^{\circ}$ E., 110 lks. dist., mkd. $\frac{1}{4}$ S 14 B. T.

BOOK 112

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains	Mesquite 6 ins. dia., brs. S. 26½° E., 100 lks. dist., mkd. ¼ S 23 B T.
52.30	Wash, 10 lks. wide, course N.
62.20	Wash, 150 lks. wide, course N. 15° W.
71.30	Road, brs. N. & S. Also, wash N. 30° W.
80.06	The cor. of secs. 13, 14, 23 and 24, previously described.
	Land, rolling. Soil, 3rd rate. Timber, scattered mesquite and palo verde, 80.06 chs. Mesquite and palo verde brush and cactus, 80.06 chs.

	Returning to the cor. of secs. 14, 15, 22 and 23, I run
	S. 89° 41' W. on a true line bet. secs. 15 and 22.
	Over rolling land, sloping gently towards N., through scattered mesquite, palo verde and cactus.
19.00	Wash, 60 lks. wide, course N.
22.50	Wash, 100 lks. wide, course N.
39.94	The proportional point for the ¼ sec. cor. bet. secs. 15 and 22.
	Set an iron post 1 in. dia., stamped on cap
	¼ in W. S 15 in N. S 22
	From which a
	Palo verde 5 ins. dia., brs. S. 32½° W., 79 lks. dist., mkd. ¼ S 22 B T.
	Mesquite 10 ins. dia., brs. N. 81½° W., 90 lks. dist., mkd. ¼ S 15 B T.
63.60	Wash, 100 lks. wide, course NW.
79.79	(39.85) The old cor. of secs. 15, 16, 21 and 22, previously described, on W. bdy. of Papago Indian Reservation.
	Land, rolling. Soil, 3 rd rate. Timber, scattered mesquite and palo verde, 79.79 chs. Mesquite and palo verde brush and cactus, 79.79 chs.

	Returning to the cor. of secs. 14, 15, 22 and 23, I run
	N. 0° 13' E. on a true line bet. secs. 14 and 15.
	Desc. over gently rolling land, through mesquite, palo verde and cactus.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

40.03

The reestablished point for the $\frac{1}{4}$ sec. cor. bet. secs. 14 and 15.

Set an iron post 1 in. dia., stamped on cap

$\frac{1}{4}$ in N.
S 15 in W.
S 14 in E.
1915 in S.

From which a

Palo verde 6 ins. dia., brs. N. $57\frac{1}{2}^{\circ}$ E., 74 lks. dist.,
mkd. $\frac{1}{4}$ S 14 B T.

Old B. T.

Palo verde 6 ins. dia., brs. S. 82° W., 13 lks. dist.,
mkd. XV.

Land, gently rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 40.03 chs.

Mesquite and palo verde brush and cactus, 40.03 chs.

Thence N. $0^{\circ} 39'$ W. on a true line bet. secs. 14 and 15, N. $\frac{1}{2}$.

Desc. over gently rolling land, through scattered mesquite, palo verde and cactus.

39.61

The reestablished point for the cor. of secs. 10, 11, 14 and 15.

Set an iron post 2 ins. dia., stamped on cap

T 16 S S 10 in NW.
R 11 E S 11 in NE.
S 14 in SE.
S 15 in SW.
1915 in S.

From which an old B. T. a

Mesquite 10 ins. dia., brs. S. 55° W., 87 lks. dist.,
only the stump remaining, but well blazed; marked,
but indistinct.

New B. T.s

Palo verde 6 ins. dia. brs. N. $31\frac{1}{2}^{\circ}$ E., 192 lks. dist.,
mkd. T 16 S R 11 E S 11 B T.

Palo verde 5 ins. dia., brs. N. 39° W., 131 lks. dist.,
mkd. T 16 S R 11 E S 10 B T.

(Old post was found lying loose on top of ground
in this vicinity.)

No other B. T.s available.

Dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.,
and raise a mound of earth 4 ft. base, 2 ft. high,
W. of cor.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains	
	<p>Land, rolling. Soil, 3rd rate. Timber, scattered mesquite and palo verde, 39.61 chs. Mesquite and palo verde brush and cactus, 39.61 chs.</p>
	<p>Thence N. 89° 45' E. on a true line bet. secs. 11 and 14.</p> <p>Over rolling land, sloping gently towards N., through scattered mesquite, palo verde and cactus.</p>
11.80	Wash, 30 lks. wide, course N.
39.97	The proportional point for the ¼ sec. cor. bet. secs. 11 and 14, falls in wash, 10 lks. wide, course N., impracticable to set, therefore -
40.06	Set W. C. to ¼ sec. cor. bet. secs. 11 and 14. (9lks. N. 89° 45' E. of true point.)
	Set an iron post 1 in. dia., stamped in cap
	<p>W C ¼ in W. S 11 in N. S 14 1915 in S.</p>
	From which a
	Palo verde 8 ins. dia., brs. S. 2½° W., 158 lks. dist., mkd. W C ¼ S 14 B T.
	Palo verde 4 ins. dia., brs. N. 25° W., 59 lks. dist., mkd. W C ¼ S 11 B T.
43.40	Wash, 20 lks. wide, course N. 30° W.
71.30	Wash, 30 lks. wide, course N. 30° W.
79.94	The cor. of secs. 11, 12, 13 and 14, previously described.
	<p>Land, rolling, Soil, 2nd rate. Timber, scattered mesquite and palo verde, 79.94 chs. Mesquite and palo verde brush and cactus, 79.94 chs.</p>
	<p>Returning to the cor. of secs. 10, 11, 14 and 15, I run S. 89° 53' W. on a true line bet. secs. 10 and 15.</p> <p>Over rolling land sloping gently towards N., through scattering mesquite and palo verde and cactus.</p>
39.99	The proportional point for the ¼ sec. cor. bet. secs. 10 and 15.
	Set an iron post 1 in. dia., stamped on cap
	<p>¼ in W. S 10 in N. S 15 1915 in S.</p>

BOOK 2428

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

From which a

Mesquite 12 ins. dia., brs. S. 33 1/2° E., 142 lks. dist.,
mkd. 1/4 S 15 B. T.

Mesquite 14 ins. dia., brs. N. 11 1/2° W., 101 lks. dist.,
mkd. 1/4 S 10 B T.

56.00

Wash, 150 lks. wide, course NW.

80.02

(40.03) The established cor. of secs. 9, 10, 15
and 16, on W. bdy. of Papago Indian Reservation,
previously described.

Land, gently rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.02 chs.

Mesquite and palo verde brush and cactus, 80.02 chs.

July 5, 1915.

July 14, 1915. At 8^h 0^m a.m., l.m.t., I set off 32° 4'
on lat. arc, and 21° 48 1/2' N. on decl. arc, and determine
a meridian with the solar at the cor. of secs. 10, 11,
14 and 15, previously described.

Thence I run

N. 0° 20' W. on a true line bet. secs. 10 and 11, S. 1/4.

Desc. over gently rolling land, through scattered
mesquite, palo verde and cactus.

39.97

The old 1/4 sec. cor. bet. secs. 10 and 11, which is
a mesquite post 3 ins. square, well set and marked
1/4 on W. face.

N. and alongside set an iron post 1 in. dia.,
stamped on cap

1/4 in N.
S 10 in W.
S 11 in E.
1915 in S.

From which a

Palo verde 6 ins. dia., brs. S. 74 1/2° E., 208 lks. dist.,
mkd. 1/4 S 11 B T.

Palo verde 6 ins. dia., brs. N. 30 1/2° W., 206 lks. dist.,
mkd. 1/4 S 10 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 39.97 chs.

Mesquite and palo verde brush and cactus, 39.97 chs.

Thence N. 1° 9' E. on a true line bet. secs. 10 and 11.
N. 1/4.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

Over gently rolling land, through scattered mesquite, palo verde and cactus.

40.14 The reestablished point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post 2 ins. dia., stamped on cap

T 16 S S 3 in NW.
R 11 E S 2 in NE.
S 11 in SE.
S 10 in SW.
1915 in S.

From which a

Mesquite 8 ins. dia., brs. N. 49½° E., 261 lks. dist.
mkd. T 16 S R 11 E S 2 B T.

Mesquite 10 ins. dia., brs. S. 35° E., 109 lks. dist.
mkd. T 16 S R 11 E S 11 B T.

Mesquite 10 ins. dia., brs. N. 20¼° W., 171 lks. dist.
mkd. T 16 S R 11 E S 3 B T.

Old B.T.,

Mesquite 8 ins. dia. brs. S. 25° W., 40 lks. dist.
mkd. X.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 40.14 chs.
Mesquite and palo verde brush and cactus, 40.14 chs.

N. 89° 16' E. on a true line bet. secs. 2 and 11, W. ¼.

Over rolling land, sloping gently towards N., through scattered mesquite, palo verde and cactus.

9.50 Wash, 20 lks. wide, course N. 30° W.

39.96 The old ¼ sec. cor., which is a mesquite post 3 ins. square, well set and plainly mkd. ¼ on N. face.

N. and alongside set an iron post 1 inch dia., stamped on cap

¼ in W.
S 2 in N.
S 11 1915 in S.

From which a

Mesquite 6 ins. dia., brs. S. 78° E., 92 lks. dist.,
mkd. ¼ S 11 B T. (This undoubtedly was the old B.T., but a portion of it has been cut away leaving no marks to indicate that it was, but agreeing in bearing and practically in distance.

Palo verde 6 ins. dia., brs. N. 20¼° W., 46 lks. dist.
mkd. ¼ S 2 B T.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 39.96 chs.
Mesquite and palo verde brush and cactus, 39.96 chs.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

Thence N. 89° 30' E. on a true line bet. secs. 2 and 11, E. $\frac{1}{4}$.

Over rolling land sloping gently towards N., through scattered mesquite, palo verde and cactus.

40.22 The reestablished cor. of secs. 1, 2, 11 and 12, previously described,

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 40.22 chs.
Mesquite and palo verde brush and cactus, 40.22 chs.

From the cor. of secs. 2, 3, 10 and 11, I run S. 89° 38' W. on a true line bet. secs. 3 and 10.

Over rolling land, sloping gently towards N., through scattered mesquite, palo verde and cactus.

40.58 The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 3 and 10.

Set an iron post 1 in. dia., stamped on cap

$\frac{1}{4}$ in W.
S 3 in N.
S 10 1915 in S.

From which a

Mesquite 6 ins. dia. brs. S. 75 $\frac{1}{4}$ ° E., 155 lks. dist.
mkd. $\frac{1}{4}$ S 10 B T.

Mesquite 6 ins. dia. brs. N. 7° W., 74 lks. dist.
mkd. $\frac{1}{4}$ S 3 B T.

81.28 (40.70) The reestablished cor. of secs. 3, 4, 9 and 10, on W. bdy. of Papago Indian Reservation, previously described.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 81.28 chs.
Mesquite and palo verde brush and cactus, 81.28 chs.

Returning to the cor. of secs. 2, 3, 10 and 11, I run N. 0° 7' W. on a true line bet. secs. 2 and 3, S. $\frac{1}{4}$.

Desc. over gently rolling land, through scattered mesquite, palo verde and cactus.

23.40 Wash, 20 lks. wide, course N. 30° W.

39.91 The reestablished point for the $\frac{1}{4}$ sec. cor. bet. secs. 2 and 3.

Set an iron post 1 in. dia., stamped in cap

$\frac{1}{4}$ in N.
S 3 in W.
S 2 in E.
1915 in S.

Resurvey of Subdivision lines in T. 16 S., R. 11 E.

Chains

From which old B.T.,

A mesquite 10 ins. dia., brs. S. $89\frac{1}{2}^{\circ}$ W., 90 lks. dist.
mkd. 111.

New B.T.,

A palo verde 4 ins. dia. brs. N. $73\frac{1}{4}^{\circ}$ E., 168 lks. dist.
mkd. $\frac{1}{4}$ S 2 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 39.91 chs.

Mesquite and palo verde brush and cactus, 39.91 chs.

Thence N. $1^{\circ} 5'$ W. on a true line bet. secs. 2 and 3, N. $\frac{1}{4}$.

Desc. over gently rolling land, through scattered
mesquite, palo verde and cactus.

51.40 The reestablished C.C. of secs. 2 and 3, on N. bdy.
of Tp., previously described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 51.40 chs.

Mesquite and palo verde brush, and cactus, 51.40 "

July 14, 1915. At this cor., I set off $21^{\circ} 46\frac{1}{2}'$ N. on
decl. arc, and at appatent noon observe the sun on
the meridian; the resulting lat. is $32^{\circ} 5'$, which is
the proper lat.

GENERAL DESCRIPTION.

The first tier of sections across the S. side of
this frac. tp. lies in the foothills of the Sierrita
Mountains. The remainder is rolling land, sloping
gently towards the north.

The soil is sandy and gravelly loam of 3rd rate.

The entire township is covered with scattered
mesquite and palo verde timber, mesquite and palo
verde brush and numerous species of cacti.

There is very little grass and no permanent water of
any kind.

There are two Indian ranches in this frac. township;
one in the SW. $\frac{1}{4}$ of seo. 26, and the other in the SE. $\frac{1}{4}$
of seo. 26. Their residence here is dependent upon the
spring rains, in catching enough water by damming the
arroyos to enable them to live here a portion of the
year. The remainder of the year they live in the In-
dian village near San Xavier Mission, about 14 miles NE.

Charles M. Leedy

U. S. Surveyor

Denver, Colorado, *June 27-1916*

I hereby certify that the resurvey of subdivision lines in T. 16 S., R. 11 E., within the Papago Indian Reservation, Arizona, was made under my supervision and direction, and to the best of my knowledge and belief the field work was executed in strict accordance with instructions given me dated Oct. 6, 1914, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Drummington

Topographer in Charge of
Indian Surveys.

27
BOOK 3423

FINAL OATH OF UNITED STATES SURVEYOR.

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191 _____, 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 _____

For final oath of U. S. Surveyor, see Book "A" (3rd Standard Parallel N., through Rgs. 11, 12 and 13 E.)

_____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear 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 _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191 _____ }



Handwritten initials

APPROVAL.

OFFICE OF THE COMMISSIONER OF THE GENERAL LAND OFFICE
~~OFFICE OF THE UNITED STATES SURVEYOR GENERAL;~~

Washington, D.C., *May 5,* 1921

The foregoing field notes of the ^{re} survey of _____ subdivision lines in T. 16 S., R. 11 E., within the Papago Indian Reservation, Arizona,

executed by **Charles M. Leedy, U. S. Surveyor**, under direction of **A. F. Dunnington, Topographer in Charge of Indian Surveys**, under his special instructions dated **Oct. 6,** 191 **4**, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) William Spry

~~U. S. Surveyor General~~
Commissioner of the General Land Office

I certify that the foregoing transcript of the field notes of the above-described surveys in T. 16 S., R. 11 E., Arizona, _____, has been correctly copied from the original notes on file in this office.

Handwritten signature

William Spry

~~U. S. Surveyor General~~
Commissioner of the General Land Office