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Duplicate

BOOK 3424

FIELD NOTES

OF ~~THE~~ ~~RESURVEY~~ ~~OF~~ ~~THE~~

RESURVEY OF

Subdivision Lines

in

TOWNSHIP 16 SOUTH RANGE 12 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

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

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

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

~~Congress dated~~ Congress dated _____, 191

Survey commenced May 31, 1915

Survey completed June 25, 1915

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BOOK 3424

INDEX DIAGRAM.

Township 16 South, Range 12 East

							40			
6	66	5	56	4	48	3		2	32	1
							39			
66		65		55		47		39		
					47		38			
7	64	8	54	9		10		11	31	12
					46		37			
63		62		53		45		37		
18	61	17	52	16	44	15	30 1/2	14	29	13
61		60		52		43		36		
			51							
19	59	20		21	42	22	35	23	27	24
			50							
58		57-58		50		41		34		
					41					
30	56	29	48	28		27	33	26	26	25
					40					
17		18-19		20-21		22		23		25
	South boundary, Papago Indian Res. in.									
31		32		33		34		35		36

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

Survey commenced May 31, 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 $\frac{1}{4}$ and $\frac{1}{16}$ sec. corners are 1 inch in diameter; and the posts at sec. corners on the S. bdy. of Papago Indian Reservation are 3 inches in diameter.

I examine the adjustments of the transit, and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a. m. and p. m. hours with a meridian determined by observations on Polaris, I proceed as follows:-

May 23, 1915. At camp which is near the center of sec. 29, T. 16 S., R. 12 E.,

Lat. $32^{\circ} 01\frac{1}{2}'$ N.
Long. $111^{\circ} 08\frac{1}{2}'$ W.

At $3^h 36.4^m$ a.m., by my watch, which has been set to l.m.t., I observe Polaris at Eastern Elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined on a hub 5 chs. northerly of my station.

At $6^h 0^m$ a.m., l.m.t. I lay off the azimuth of Polaris, $1^{\circ} 21'$ to the W. and mark the meridian thus determined by a tack in a hub, set firmly in the ground, about 5 chs. N. of my station.

At $8^h 0^m$ a.m., l.m.t., I set off $32^{\circ} 1\frac{1}{2}'$ on lat. arc, and $20^{\circ} 27'$ N. on decl. arc, and mark a point in the meridian determined with the solar by a cross on the hub already set 5 chs. N. of my station; this mark falls less than $\frac{1}{2}'$ east of the meridian established by Polaris observation.

At $4^h 0^m$ p.m., l.m.t., I set off $32^{\circ} 1\frac{1}{2}'$ on lat. arc, and $20^{\circ} 31\frac{1}{2}'$ N. on decl. arc; and mark a point in the meridian thus determined by a cross on the hub already set 5 chs. N. of my station; this mark falls less than $\frac{1}{2}'$ west of the meridian established by Polaris observations.

The solar apparatus by a.m. and p.m. observations,

Resurvey of Sundivision lines of T. 16 S., R. 12 E.

Chains

defines positions for meridians within less than $\frac{1}{2}$ ' of the meridian established by Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

May 23, 1915.

May 31, 1915. At 8^h 04^m a.m., l.m.t., I set off 32° 1' on lat. arc, and 21° 50' N. on decl. arc, and determine a meridian at the reestablished cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the tp.

Thence I run

W. on a random line retracing the line bet. secs. 25 and 36, along S. bdy. of the Papago Indian Reservation.

- 20.00 Set temp. E. 1/16 sec. cor. No trace of old cor. is found.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor. No trace of old cor. is found.
- 60.00 Set temp. W. 1/16 sec. cor. Old post, loose on top of ground, found in this vicinity.
- 80.00 Set temp. cor. of secs. 25, 26, 35 and 36. No trace of old cor. is found.

Continue W. retracing line bet. secs. 26 and 35, along S. bdy. of the Papago Indian Reservation.

- 20.00 Set temp. E. 1/16 sec. cor. No trace of old cor. is found.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor. No trace of old cor. is found.
- 60.00 Set temp. W. 1/16 sec. cor. Old post, loose on top of ground in this vicinity.
- 79.92 Intersect the point for the cor. of secs. 26, 27, 34 and 35, as established from old B. T.

Note: The temp. cors. are adjusted to their proportionate positions on latitudinal lines.

From established point for the cor. of secs. 26, 27, 34 and 35 - I run

W. retracing the line bet. secs. 27 and 34, along S. bdy. of Papago Indian Reservation.

BOOK 3424

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

20.00 Set temp. E. 1/16 sec. cor. Old post, loose on top of ground, found in this vicinity.

40.00 Set temp. 1/4 sec. cor. No trace of old cor. is found.

60.00 Set temp. W. 1/16 sec. cor. Old post, loose on top of ground, found in this vicinity.

80.20 Fall 35 lks. N. of old cor. of secs. 27, 28, 33 and 34, which is a post 4 ins. square, well set and marked as described.

May 31, 1915. At this cor. I set off 21° 51' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 1' which is the proper lat.

From the old cor. of secs. 27, 28, 33 and 34, I run W. retracing the line bet. secs. 28 and 33, along the S. bdy. of the Papago Indian Reservation.

20.00 Set temp. E. 1/16 sec. cor. Old post, loose on top of ground, found in this vicinity.

40.08 Fall 23 lks. N. of the old 1/4 sec. cor. bet. secs. 28 and 33, which is a post well set and marked as described.

From the old 1/4 sec. cor. of secs. 28 and 33, Continue W. retracing the line bet. secs. 28 and 33, along the S. bdy. of the Papago Indian Reservation.

20.00 Set temp. W. 1/16 sec. cor. Old post, loose on top of ground, found in this vicinity.

40.08 Fall 33 lks. N. of the old cor. of secs. 28, 29, 32 and 33, which is a post 4 ins. square, well set and marked as described.

From the old cor. of secs. 28, 29, 32 and 33, I run W. retracing the line bet. secs. 29 and 32, along the S. bdy. of the Papago Indian Reservation.

19.04 Fall 23 lks. S. of the old E. 1/16 sec. cor., which is a malpais 18 x 12 x 14 ins. well set and marked as described.

From the old E. 1/16 sec. cor. bet. secs. 29 and 32, Continue W. retracing the line bet. secs. 29 and 32, along the S. bdy. of the Papago Indian Reservation.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

20.00 Fall 33 lks. N. of old $\frac{1}{4}$ sec. cor. bet. secs. 29 and 32, which is a malpais 20 x 14 x 16 ins. in a mound of stone, marked as described.

From the old $\frac{1}{4}$ sec. cor. bet. secs. 29 and 32

Continue W. retracing the line bet. secs. 29 and 32, along the S. bdy. of the Papago Indian Reservation.

20.00 Set temp. W. $\frac{1}{16}$ sec. cor. No trace of old cor. is found.

40.00 Set temp. cor. of secs. 29, 30, 31 and 32. No trace of old cor. is found.

Continue W. retracing the line bet. secs. 30 and 31, along the S. bdy. of the Papago Indian Reservation.

20.00 Set temp. E. $\frac{1}{16}$ sec. cor. No trace of old cor. is found.

40.00 Set temp. $\frac{1}{4}$ sec. cor. No trace of old cor. is found.

60.00 Set temp. W. $\frac{1}{16}$ sec. cor. No trace of old cor. is found.

80.31 Fall 3 lks. N. of the reestablished cor. of secs. 25, 30, 31 and 36, on W. bdy. of tp., previously described.

May 31, 1915.

June 1, 1915. At 8^h 0^m a.m., l.m.t., I set off 32° 00' on lat. arc, and 21° 58 $\frac{1}{2}$ ' N. on decl. arc, and determine a meridian with the solar at the temp. reestablished point for the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of tp.

Thence I run

N. 0° 45' E., retracing the line bet. secs. 35 and 36.

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

79.93 Fall 7 lks. W. of adjusted temp. cor. of secs. 25, 26, 35 and 36.

BOOK 3424

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

Continue N. 0° 45' E. retracing the line bet. secs. 25 and 26.

40.00 Unable after diligent search to find any trace of the old 1/4 sec. cor. Set temp. cor.

80.11 Fall 2 lks. E. of the old cor. of secs. 23, 24, 25 and 26, which is a post 4 ins. square, well set and marked as described.

From the old cor. of secs. 23, 24, 25 and 26, I run N. retracing the line bet. secs. 23 and 24.

40.00 Unable after diligent search to find any trace of old 1/4 sec. cor. Set temp. cor.

79.92 Fall 54 lks. west of the old cor. of secs. 13, 14, 23 and 24, which is a post 4 ins. square, well set and marked as described.

June 1, 1915. At this temp. cor. I set off 21° 59 1/2' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 2' which is within 1' of the proper lat.

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

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

40.00 Unable after diligent search to find any trace of the old 1/4 sec. cor. Set temp. cor.

79.92 Fall 107 lks. W. of the old cor. of secs. 11, 12, 13 and 14, which is a post 4 ins. square, well set and properly marked.

Note: The temp. cors. are adjusted to their proportionate positions on the meridional line, which location I make the true point for the restored 1/4 and sec. cors., due to the elimination of Chillson's 10 ch. error in R. line on E. bdy. of tp.

From old cor. of secs. 11, 12, 13 and 14, I run N. retracing the line bet. secs. 11 and 12.

40.00 Unable after diligent search to find any trace of old 1/4 sec. cor. Set temp. cor.

80.06 Fall 2.35 lks. E. of the old cor. of secs. 1, 2, 11 and 12, which is a post 4 ins. square, well set and marked as described.

From the old cor. of secs. 1, 2, 11 and 12, I run N. retracing the line bet. secs. 1 and 2.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

- 40.00 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.
- 90.77 Fall 1.20 chs. E. of reestablished C. C. of secs. 1 and 2, on N. bdy. of tp., previously described.
- June 1, 1915.

June 2, 1915. At 8^h 0^m a.m., l.m.t., I set off 32° 1' on lat. arc, and 22° 7' N. on decl. arc, and determine a meridian with the solar at the old cor. of secs. 26, 27, 34 and 35.

Thence N. retracing the line bet. secs. 26 and 27.

- 40.00 Unable after diligent search to find any trace of the old $\frac{1}{4}$ sec. cor. Set temp. cor.
- 79.88 Fall 51 lks. W. of old cor. of secs. 22, 23, 26 and 27, which is a post well set and mkd. as described.

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

- 40.35 Fall 89 lks. E. of the old $\frac{1}{4}$ sec. cor. bet. secs. 22 and 23, 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 N. retracing the line bet. secs. 22 and 23.

- 39.98 Fall 40 lks. W. of the old cor. of secs. 14, 15, 22 and 23, which is a post 4 ins. square, well set, and mkd. as described.

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

- 40.00 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.
- 79.83 Fall 1.26 chs. W. of the point set for the cor. of secs. 10, 11, 14 and 15, as established from old B. T.
- June 2, 1915. At this cor. I set off 22° 8' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 3' which is within 1' of the proper lat.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

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

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

39.96

Fall 2.83 chs. E. of the old $\frac{1}{4}$ sec. cor. bet. secs. 10 and 11, which is a post 3 ins. square, well set and mkd. as described.

From the old $\frac{1}{4}$ cor. of secs. 10 and 11, I run

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

40.00

Unable after diligent search to find any trace of old cor. of secs. 2, 3, 10 and 11. Set temp. cor.

Continue N. retracing the line bet. secs. 2 and 3.

40.64

Fall 9 lks. E. of the old $\frac{1}{4}$ sec. cor. bet. secs. 2 and 3, which is a post 3 ins. square, well set and marked as described.

Note: The temp. cor. of secs. 2, 3, 10 and 11, is adjusted to its proportionate position on meridional line.

From the old $\frac{1}{4}$ sec. cor. bet. secs. 2 and 3, I run

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

49.98

Fall 1 lk. W. of the reestablished C. C. of secs. 2 and 3, on N. bdy. of tp. previously described.

June 2, 1915.

June 3, 1915. At 8h 0^m a.m., l.m.t., I set off 32° 1' on lat. arc, and 22° 14 $\frac{1}{2}$ ' N. on decl. arc, and determine a meridian with the solar at the old cor. of secs. 27, 28, 33 and 34, on S. bdy. of Papago Indian Reservation.

Thence I run

N. retracing the line bet. secs. 27 and 28.

40.62

Fall 23 lks. E. of the old $\frac{1}{4}$ sec. cor. bet. secs. 27 and 28, which is a post 3 ins. square, well set and marked as described.

From the old $\frac{1}{4}$ sec. cor. bet. secs. 27 and 28, continue

N. retracing the line bet. secs. 27 and 28.

40.00

Set temp. cor. of secs. 21, 22, 27 and 28. Old post, loose on top of ground, found in vicinity.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

Thence N. retracing the line bet. secs. 21 and 22.

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

79.91 Fall 31 lks. E. of the old cor. of secs. 15, 16, 21 and 22, which is a post 4 ins. square, well set and mkd. as described.

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

June 3, 1915. At this cor. I set off $22^{\circ} 15\frac{1}{2}'$ N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is $32^{\circ} 2\frac{1}{2}'$ which is the proper lat.

From the old cor. of secs. 15, 16, 21 and 22, I run N. retracing the line bet. secs. 15 and 16.

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

80.00 Unable after diligent search to find any trace of old cor. of secs. 9, 10, 15 and 16. Set temp. cor.

Continue N. retracing the line bet. secs. 9 and 10.

39.55 Fall 75 lks. E. of old $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10, which is a post 3 ins. square, well set and marked as described.

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

From the old $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10. N. retracing the line bet. secs. 9 and 10.

40.00 Unable after diligent search to find any trace of the old cor. of secs. 3, 4, 9 and 10. Set temp. cor.

Continue N. retracing the line bet. secs. 3 and 4.

40.00 Unable after diligent search to find any trace of the old $\frac{1}{4}$ sec. cor. bet. secs. 3 and 4. Set temp. cor.

90.82 Fall 9 lks. W. of the reestablished C. C. of secs. 3 and 4, on N. bdy. of tp., previously described.

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

June 3, 1915.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

June 4, 1915. At 8^h 0^m a.m., l.m.t., I set off 32° 1' on lat. arc, and 22° 22' N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 28, 29, 32 and 33 on S. bdy. of Papago Indian Reservation.

Thence I run

N. retracing the line bet. secs. 28 and 29.

40.00 Unable after diligent search to find any trace of 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. 20, 21, 28 and 29. Set temp. cor.

Continue N. retracing the line bet. secs. 20 and 21.

40.30 Fall 86 lks. W. of the old $\frac{1}{4}$ sec. cor. bet. secs. 20 and 21, which is a post 3 ins. square, well set and marked as described.

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

From the old $\frac{1}{4}$ sec. cor. bet. secs. 20 and 21, I run N. retracing the line bet. secs. 20 and 21.

40.48 Fall 1.25 chs. E. of old cor. of secs. 16, 17, 20 and 21, which is a post 4 ins. square, well set and marked as described.

June 4, 1915. At this cor. I set off 22° 23' 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. retracing the line bet. secs. 16 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor. bet. secs. 16 and 17. Old post, found lying loose on top of ground.

80.00 Unable after diligent search to find any trace of old cor. of secs. 8, 9, 16 and 17. Set temp. cor.

Continue N. retracing the line bet. secs. 8 and 9.

39.91 Fall 1.27 chs. E. of the old $\frac{1}{4}$ sec. cor. bet. secs. 8 and 9, which is a post 3 ins. square, well set and marked as described.

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

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

From the old $\frac{1}{4}$ sec. cor. bet. secs. 8 and 9, I run N. retracing the line bet. secs. 8 and 9.

40.00 Unable after diligent search to find any trace of old cor. of secs. 4, 5, 8 and 9. Set temp. cor.

Continue N. retracing the line bet. secs. 4 and 5.

40.00 Unable after diligent search to find any trace of $\frac{1}{4}$ sec. cor. bet. secs. 4 and 5. Set temp. cor.

90.62 Fall 62 lks. W. of the reestablished C. C. of secs. 4 and 5, on N. bdy. of tp., previously described.

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

June 4, 1915.

June 5, 1915. At 8^h 0^m a.m., l.m.t., I set off 32° 00' on lat. arc, and 22° 29' N. on decl. arc, and determine a meridian with the solar at the temp. reestablished cor. of secs. 5, 6, 31 and 32, on S. bdy. of tp.

Thence N. retracing the line bet. secs. 31 and 32.

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

80.00 Unable after diligent search to find any trace of old cor. of secs. 29, 30, 31 and 32. Set temp. cor.

Continue N. retracing the line bet. secs. 29 and 30.

.44 Fall 142 lks. W. of adjusted temp. cor. on E. & W. line.

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

80.00 Unable after diligent search to find any trace of the cor. of secs. 19, 20, 29 and 30. Set temp. cor.

Continue N. retracing line bet. secs. 19 and 20.

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

80.00 Unable after diligent search to find any trace of old cor. of secs. 17, 18, 19 and 20. Set temp. cor.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains	Text
	<p>June 5, 1915. At this temp. cor. I set off 22° 30' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 2½' which is the proper lat.</p>
	<p>Continue N. retracing the line bet. secs. 17 and 18.</p>
40.00	<p>Unable after diligent search to find any trace of old ¼ sec. cor. Set temp. cor.</p>
80.84	<p>Fall 28 lks. W. of point for the cor. of secs. 7, 8, 17 and 18, as established from old B. T.</p>
	<p>Note: The temp. cors. are adjusted to their proportionate positions on meridional line.</p>
	<p>From the reestablished cor. of secs. 7, 8, 17 and 18.</p>
	<p>N. retracing the line bet. secs. 7 and 8.</p>
40.00	<p>Unable after diligent search to find any trace of old ¼ sec. cor. Set temp. cor.</p>
80.00	<p>Set temp. cor. of secs. 5, 6, 7, and 8. Old post, lying loose on top of ground, found in vicinity.</p>
	<p>Continue N. retracing the line bet. secs. 5 and 6.</p>
40.00	<p>Unable after diligent search to find any trace of old ¼ sec. cor.</p>
90.76	<p>Fall 56 lks. E. of reestablished C. C. of secs. 5 and 6, on N. bdy. of tp. previously described.</p>
	<p>Note: The temp. cors. are adjusted to their proportionate positions on meridional line.</p>
	<p style="text-align: right;">June 5, 1915.</p>
	<p>June 7, 1915. At 8^h 0^m a.m., l.m.t. I set off 32° 2' on lat. arc, and 22° 42' N. on decl. arc, and determine a meridian with the solar at the reestablished cor. of secs. 19, 24, 25 and 30, on the W. bdy. of of tp., previously described.</p>
	<p>Thence I run</p>
	<p>E. retracing the line bet. secs. 19 and 30.</p>
39.10	<p>Unable after diligent search to find any trace of old ¼ sec. cor. Set temp. cor.</p>
79.16	<p>Fall 5 lks. N. of adjusted temp. cor. of secs. 19, 20, 29 and 30.</p>

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

Continue E. retracing line bet. secs. 20 and 29.

41.15 Fall 33 lks. S. of old $\frac{1}{4}$ sec. cor. bet. secs. 20 and 29, which is a post 3 ins. square, well set and marked as described.

From the old $\frac{1}{4}$ sec. cor. bet. secs. 20 and 29, I run E. retracing the line bet. secs. 20 and 29.

39.91 Fall 14 lks. N. of adjusted temp. cor. of secs. 20, 21, 28 and 29.

Continue E. retracing the line bet. secs. 21 and 28.

40.29 Fall 14 lks. S. of old $\frac{1}{4}$ sec. cor. bet. secs. 21 and 28, which is a post 3 ins. square, well set and mkd. as described.

June 7, 1915. At this cor. I set off $22^{\circ} 43'$ N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is $32^{\circ} 2'$ which is the proper lat.

From the old $\frac{1}{4}$ sec. cor. bet. secs. 21 and 28, I run E. retracing the line bet. secs. 21 and 28.

38.94 Fall 74 lks. S. of adjusted temp. cor. of secs. 21, 22, 27 and 28.

Continue E. retracing line bet. secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. cor. bet. secs. 22 and 27. Found old post loose on top of ground in this vicinity.

81.18 Fall 51 lks. S. 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 E. retracing the line bet. secs. 23 and 26.

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

80.40 Fall 44 lks. S. of old cor. of secs. 23, 24, 25 and 26., which is a post 4 ins. square, well set and mkd. as described.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

~~From the old cor. of secs. 23, 24, 25 and 26, I run
W. retracing the line bet. secs. 24 and 25.~~

~~40.00 Unable after diligent search to find any trace of old
1/4 sec. cor. Set temp. cor.~~

~~78.82 Fall 5 lks. S. of reestablished cor. of secs. 19, 24, 25
and 30, on E. bdy. of tp., previously described.~~

~~June 7, 1915.~~

~~June 8, 1915. At 8h 0m a.m., l.m.t., I set off 32°
24' on lat. arc, and 22° 48' N. on decl. arc, and
determine a meridian with the solar at the reestablished
cor. of secs. 13, 18, 19 and 24, on E. bdy. of tp.
previously described.~~

~~Thence I run~~

~~W. on a random line bet. secs. 13 and 24.~~

~~40.00 Set temp. 1/4 sec. cor.~~

~~78.20 Fall 9 lks. N. of the reestablished point for the
cor. of secs. 13, 14, 23 and 24.~~

From the reestablished point for the cor. of secs. 13,
14, 23 and 24, continue

W. retracing the line bet. secs. 14 and 23.

40.00 Unable after diligent search to find any trace of old
1/4 sec. cor. Set temp. cor.

81.28 Fall 7 lks. N. of old cor. of secs. 14, 15, 22 and 23,
which is a post 4 ins. square, well set and mkd. as
described.

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

40.00 Unable after diligent search to find any trace of
old 1/4 sec. cor. Set temp. cor.

80.93 Intersect the old cor. of secs. 15, 16, 21 and 22,
which is a post 4 ins. square, well set and
mkd. as described.

June 8, 1915. At this cor. I set off 22° 48' N. on
decl arc, and at apparent noon observe the sun on
the meridian. The resulting lat. is 32° 24' which
is the proper lat.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

Continue W. retracing line bet. secs. 16 and 21.

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

79.98 Fall 49 lks. N. of the old cor. of secs. 16, 17, 20 and 21, which is a post 4 ins. square, well set and properly mkd.

From the old cor. of secs. 16, 17, 20 and 21, I run W. retracing line bet. secs. 17 and 20.

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

79.98 Fall 77 lks. N. of the adjusted temp. cor. of secs. 17, 18, 19 and 20.

Continue W. retracing line bet. secs. 18 and 19.

40.26 Fall 70 lks. N. of point for the old $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19, as established from old B. T.

Continue W. retracing line bet. secs. 18 and 19.

39.42 Fall 33 lks. N. of old cor. of secs. 13, 18, 19 and 24, on W. bdy. of tp., previously described.

June 8, 1915.

June 9, 1915. At 8^h 0^m a.m., l.m.t., I set off 32° 34' on lat. arc, and 22° 53½' N. on decl. arc, and determine a meridian with the solar at the old cor. of secs. 7, 12, 13 and 18, on W. bdy. of tp.

Thence I run

E. retracing line bet. secs. 7 and 18.

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

80.26 Fall 58 lks. S. of old cor. of secs. 7, 8, 17 and 18.

Continue E. retracing line bet. secs. 8 and 17.

40.32 Fall 19 lks. S. of old $\frac{1}{4}$ sec. cor. which is a post 4 ins. square, well set and mkd. as described.

From the old $\frac{1}{4}$ sec. cor. bet. secs. 8 and 17, I run

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

E. retracing line bet. secs. 8 and 17.

38.83

Fall 24 lks. S. of adjusted temp. cor. of secs. 8, 9, 16 and 17.

Continue E. retracing line bet. secs. 9 and 16.

40.00

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

80.34

Fall 47 lks. S. of adjusted temp. cor. of secs. 9, 10, 15 and 16.

Continue E. retracing line bet. secs. 10 and 15.

42.34

Fall 49 lks. S. of the point for the $\frac{1}{4}$ sec. cor. as established from old B. T.

June 9, 1915. At this cor. I set off 22° 54' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 31' which is the proper lat.

Thence E. retracing the line bet. secs. 10 and 15.

40.22

Fall 17 lks. S. of the old cor. of secs. 10, 11, 14 and 15.

Continue E. retracing line bet. secs. 11 and 14.

40.00

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

80.41

Fall 21 lks. S. of old cor. of secs. 11, 12, 13 and 14, which is a post 4 ins. square, well set and mkd. as described.

Thence E. on a random line bet. secs. 12 and 13.

~~40.00~~

~~Set temp. $\frac{1}{4}$ sec. cor. bet. secs. 12 and 13.~~

~~(I destroy old $\frac{1}{4}$ sec. cor. bet. secs. 12 and 13, which is a post 3 ins. square, no accessories, about 5 chs. north.)~~

~~77.48~~

~~Fall 9 lks. S. of reestablished cor. of secs. 7, 12, 13 and 18, on E. bdy. of tp., previously described.~~

June 9, 1915.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

June 10, 1915. At 8h 0m a.m., l.m.t., I set off 32° 4' on lat. arc, and 22° 58½' N. on decl. arc, and determine a meridian with the solar at reestablished cor. of secs. 1, 6, 7, and 12, on E. bdy. of tp.

Thence I run

W. on a random line bet. secs. 1 and 12.

~~40.00~~ Set temp. ¼ sec. cor.

(I destroy old ¼ sec. cor. bet. secs. 1 and 12, about 5 chs. N.)

~~79.58~~ Fall 19 lks. N. of old cor. of secs. 1, 2, 11 and 12.

From the old cor. of secs. 1, 2, 11 and 12, I run

W. retracing line bet. secs. 2 and 11.

40.00 Unable, after diligent search, to find any trace of old ¼ sec. cor. Set temp. cor.

80.91 Fall 7 lks. S. of adjusted temp. cor. of secs. 2, 3, 10 and 11.

Continue W. retracing line bet. secs. 3 and 10.

40.00 Unable after diligent search to find any trace of old ¼ sec. cor. Set temp. cor.

79.91 Fall 30 lks. N. of adjusted temp. cor. of secs. 3, 4, 9 and 10.

June 10, 1915. At this temp. cor. I set off 22° 59' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 4' which is the proper lat.

Continue W. retracing line bet. secs. 4 and 9.

40.00 Unable after diligent search to find any trace of ¼ sec. cor. Set temp. cor.

80.30 Fall 37 lks. N. of adjusted temp. cor. of secs. 4, 5, 8 and 9.

Continue W. retracing line bet. secs. 5 and 8.

40.00 Unable after diligent search to find any trace of old ¼ sec. cor. Set temp. cor.

79.15 Fall 72 lks. N. of adjusted temp. cor. of secs. 5, 6, 7 and 8.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains	
	Continue W. retracing line bet. secs. 6 and 7.
40.00	Unable after diligent search to find any signs of old $\frac{1}{4}$ sec. cor. Set temp. cor.
79.13	Fall 1.00 ch. N. of re-established cor. of secs. 1, 6, 7 and 12, on W. bdy. of tp., previously described.
	June 10, 1915.

	<p>June 11, 1915. At 8h Om., a.m., l.m.t., I set off $32^{\circ} 1'$ on lat. arc, and $23^{\circ} 3'$ N. on decl. arc, and determine a meridian with the solar at re-established cor. of secs. 25, 30, 31 and 36, on W. bdy. of tp., previously described.</p> <p>Thence I run</p> <p>S. $89^{\circ} 51'$ E. on a true line bet. secs. 30 and 31, along S. bdy. of Papago Indian Reservation.</p> <p>Over rolling land, sloping towards N., through scattered mesquite, palo verde and cactus.</p>
10.50	Wash, 10 lks. wide, course N.
19.96	The proportional point for the W. $1/16$ -sec. cor. bet. secs. 30 and 31.
	Set an iron post 1 in. dia., stamped on cap
	W $1/16$ in W. S 30 P I R in N. S 31 1915 in S.
	No suitable B. T.s available.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
26.80	Wash, 20 lks. wide, course N.
40.00	The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 30 and 31.
	Set an iron post 1 in. dia., stamped on cap
	$\frac{1}{4}$ in W. S 30 P I R in N. S 31 1915 in S.
	No B. T.s available.
	Dig pits, 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
47.70	Wash, 50 lks. wide, course N.; also road, bearing N. and S.
58.10	Wash, 20 lks. wide, course N.
60.04	The proportional point for the E. $1/16$ sec. cor. bet. secs. 30 and 31.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

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

E 1/16 in W.
S 30 P I R in N.
S 31 1915 in S.

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

No B. T.s available.

69.10 Road, brs. N. & S.

75.80 Wash, 50 lks. wide, course N. 15° E.

80.08 The proportional point for the cor. of secs. 29, 30,
31 and 32.

Set an iron post 3 ins. dia., stamped on cap

T 16 S S 30 in NW.
R 12 E S 29 in NE.
S 32 in SE.
S 31 in SW.
1915 in S.
P I R in N.

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

No B. T.s available.

Land, rolling.
Soil, 3rd rate, rocky.
Timber, scattered mesquite, palo verde, 80.08 chs.
Mesquite and palo verde brush and cactus, 80.08 chs.

Thence N. 89° 39' E. on a true line bet. secs. 29 and
32, along the S. bdy. of Papago Indian Reservation.

Over rolling land sloping towards N., through scatter-
ed mesquite, palo verde and cactus.

.90 Road, brs. N. & S.

2.80 Wash, 30 lks. wide, course N.

10.00 Begin ascent of W. slope of Yellow Mountain, about
200 ft. high; also leave scattered mesquite, palo
verde and cactus, bearing N. & S.; enter open.

20.11 The proportional point for the W. 1/16 sec. cor.
bet. secs. 29 and 32.

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

W 1/16 in W.
S 29 P I R in N.
S 32 1915 in S.

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

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

28.81

Intersect mound of stone 4 ft. base, and 5 ft. high.
Top of mountain, brs. N. & S.
Begin descent of E. slope.

40.23

The old 1/4 sec. cor. which is a stone 20 x 14 x 16 ins. in a mound of stone, plainly mkd. 1/4 S P R on N. face.

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

1/4 in W.
S 29 P I R in N.
S 32 1915 in S.

Cor. set 15 ins. in ground, on solid rock, with mound of stone around.

Land mountainous, 30.23 chs.; rolling 10 chs.
Soil, 3rd and 4th rate rocky.
Timber, scattered mesquite, palo verde and cactus, 10 chs.

June 11, 1915. At this cor. I set off 23° 4' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 1' which is the proper lat.

Thence N. 89° 4' E. on a true line bet. secs. 29 and 32, along the S. bdy. of Papago Indian Reservation.

Desc. steep open E. slope of Yellow Mountain.

1.50

Foot of steep descent, brs. N. & S. Thence gradual descent, leave open, bearing N. & S.; enter scattered mesquite, palo verde and cactus.

11.50

Foot of gradual descent; wash, 50 lks. wide, course N. Begin gradual ascent.

15.00

Begin ascent of W. slope of low ridge.

20.00

The old E. 1/16 sec. cor. bet. secs. 29 and 32, which is a stone 18 x 12 x 4 ins. above ground, well set and plainly mkd. 1/16 S P R on N. face.

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

E 1/16 in W.
S 29 P I R in N.
S 32 1915 in S.

No B. T.s available.

Land, rolling.
Soil, 3rd and 4th rate, rocky.
Timber, scattered mesquite and palo verde 18.50 chs.
Mesquite and palo verde brush and cactus, 18.50 chs.

Thence S. 89° 18' E. on a true line bet. secs. 29 and 32, along S. bdy. of Papago Indian Reservation.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

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

2.20 Top of small ridge, brs. N. & S.; desc. E. slope.

9.00 Foot of small ridge, brs. N. & S.

Thence over rolling land.

19.04 The old cor. of secs. 28, 29, 32 and 33, which is a decayed mesquite post 4 ins. square, marks indistinct but well set in slight elevation with evidence of pits NE. & NW.

N. and alongside set an iron post 3 ins. dia., stamped on cap

P I R in N.
T 16 S S 29 in NW.
R 12 E S 28 in NE.
S 33 in SE.
S 32 in SW.
1915 in S.

Raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor.

No suitable B. T.s available.

Land, rolling and broken.
Soil, rocky 3rd and 4th rate.
Timber, scattered mesquite and palo verde 19.04 chs.
Mesquite and palo verde brush and cactus, 19.04 chs.

Thence N. 89° 32' E. on a true line bet. secs. 28 and 33, along S. bdy. of Papago Indian Reservation.

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

3.00 Wash, 1 ch. wide, course NW.

10.10 Road, brs. N. 60° W. and S. 60° E.

13.50 Cor. of fences, bearing N. & E.; thence along same.

19.35 Cor. of fences, bearing N. & W.

20.04 The proportional point for the W. 1/16 sec. cor. bet. secs. 28 and 33.

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

W 1/16 in W.
S 28 P I R in N.
S 33 1915 in S.

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 suitable B. T.s available.

35.90 Wash, 40 lks. wide, course N.

40.08 The old ¼ sec. cor. bet. secs. 28 and 33, which is a post 3 ins. square, well set and plainly mkd. ¼ S P R on N. face.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

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

1/4 in W.
S 28 P I R in N.
S 33 1915 in S.

Raise a mound of stone 2 ft. base, 1 1/2 ft. high, N. of c or.

No suitable B. T.s available.

Land, rolling.
Soil, rocky, 3rd rate.
Timber, scattered mesquite and palo verde, 40.08 chs.
Mesquite and palo verde brush and cactus, 40.08 chs.

Thence N. 89° 40' E. on a true line bet. secs. 28 and 33, along S. bdy. of Papago Indian Reservation.

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

2.60 Wash, 20 lks. wide, course NE.

20.04 The proportional point for the E. 1/16 sec. cor.

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

E 1/16 in W.
S 28 P I R in N.
S 33 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 available.

26.80 Wash, 50 lks. wide, course NE.

36.50 Road, brs. NE. & SW.

40.08 The old cor. of secs. 27, 28, 33 and 34, which is a mesquite post 4 ins. square, well set and plainly mkd.

T XVI S XXVII P R on NE.
R XII E XXXIV P R on SE.
XXXIII on SW.
XXVIII on NW.

N. and alongside set an iron post 3 ins. dia., stamped on cap

T 16 S S 28 in NW.
R 12 E S 27 in NE.
S 34 in SE.
S 33 in SW.
1915 in S.
P I R in N.

From which the old B. T. mkd. XXVII is a

Mesquite 12 ins. dia., brs. N. 51° E., 88 lks. dist.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

No other B. T.s available.

Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist.;
and raise a mound of earth 4 ft. base, 2 ft. high,
W. of cor.

Land, rolling.

Soil, 2nd rate.

Timber, scattered mesquite and palo verde, 40.08 chs.

Mesquite and palo verde brush and cactus, 40.08 chs.

June 11, 1915.

June 12, 1915. At 8^h 0^m a.m., l.m.t., I set off 32° 1' on lat. arc, and 23° 7 1/2' N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 27, 28, 33 and 34, on S. bdy. of Papago Indian Reservation.

Thence I run

N. 89° 45' E. on a true line bet. secs. 27 and 34.

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

4.30

Road, hrs. N. & S.

20.05

The proportional point for the W. 1/16 sec. cor. bet. secs. 27 and 34.

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

W 1/16 in W.
S 27 P I R in N.
S 34 1915 in S.

From which a

Palo verde 6 ins. dia., hrs. N. 53 1/2° E., 40 lks. dist.,
mkd. W 1/16 S 27 P I R B T.

Palo verde 6 ins. dia., hrs. S. 46 1/2° W., 80 lks. dist.,
mkd. W 1/16 S 34 B T.

21.10

Wash, 10 lks. wide, course N. 30° E.

40.10

The proportional point for the 1/4 sec. cor. bet. secs. 27 and 34.

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

1/4 in W.
S 27 P I R in N.
S 34 1915 in S.

From which a

Palo verde 6 ins. dia., hrs. S. 14° W., 157 lks. dist.,
mkd. 1/4 S 34 B T.

Mesquite 5 ins. dia., hrs. N. 10 1/2° W., 56 lks. dist.,
mkd. 1/4 S 27 P I R B T.

60.15

The proportional point for the E. 1/16 sec. cor. bet. secs. 27 and 34.

BOOK 3424

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

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

N 1/16 in W.
S 27 P I R in N.
S 34 1915 in S.

From which a

Palo verde 6 ins. dia., brs. N. 3 1/2° E., 224 lks. dist.,
mkd. E 1/16 S 27 P I R B T.

Mesquite 5 ins. dia., brs. S. 12° W., 103 lks. dist.,
mkd. E 1/16 S 34 P I R B T

71.20 Wash, 150 lks. wide, course NE.

80.20 The reestablished point for the cor. of secs. 26, 27,
34 and 35.

Set an iron post 3 ins. dia., stamped on cap

T 16 S S 27 in NW.
R 12 W S 26 in NE.
S 35 in SE.
S 34 in SW.
1915 in S.
P I R in N.

From which the old B. T. mkd. only "B. T." on bottom
blaze, is a

Mesquite 6 ins. dia., brs. S. 76 1/2° W., 50 lks. dist.

No other B. T.s available.

Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist.;
and raise a mound of earth 4 ft. base, 2 ft. high,
W. of cor.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.20 chs.

Mesquite and palo verde brush and cactus, 80.20 chs.

Thence N. 89° 56' E. on a true line bet. secs. 26
and 35, along S. bdy. of Papago Indian Reservation.

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

19.99 The proportional point for the W. 1/16 sec. cor. bet.
secs. 26 and 35.

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

W 1/16 in W.
S 26 P I R in N.
S 35 1915 in S.

No suitable B. T.s available.

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.

39.99 The proportional point for the 1/4 sec. cor. bet. secs.
26 and 35.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

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

1/4 in W.
S 26 P I R in N.
S 35 1915 in S.

From which a

Palo verde 6 ins. dia., brs. S. 84 1/2° E., 65 lks. dist.,
mkd. 1/4 S 35 P I R B T

Palo verde 6 ins. dia., brs. N. 43 1/2° W., 49 lks. dist.,
mkd. 1/4 S 26 P I R B T.

June 12, 1915. At this cor. I set off 23° 08' N. on
decl. arc, and at apparent noon, observe the sun
on the meridian. The resulting lat. is 32° 1' which
is the proper let.

43.20 Old road, Tucson to Nogales, brs. NE. & SW.

48.30 New Road, Tucson to Nogales, brs. NE. & SW.

59.99 The proportional point for the E. 1/16 sec. cor.
bet. secs. 26 and 35.

Set an iron post 1/2 in. dia., stamped on cap

E 1/16 in W.
S 26 P I R in N.
S 35 1915 in S.

From which a

Mesquite 10 ins. dia., brs. N. 74° E., 123 lks. dist.,
mkd. E 1/16 S 26 P I R B T.

Mesquite 4 ins. dia., brs. S. 30° W., 183 lks. dist.,
mkd. E 1/16 S 35 B T.

79.99 The proportional point for the cor. of secs. 25, 26
35 and 36.

Set an iron post 3 ins. dia., stamped on cap

T 16 S S 26 in NW.
R 12 E S 25 in NE.
S 36 in SE.
S 35 in SW.
1915 in S.
P I R in N.

From which a

Palo verde 6 ins. dia., brs. N. 0° 45' E., 130 lks. dist.;
mkd. T 16 S R 12 E S 25 P I R B T

Palo verde 6 ins. dia., brs. S. 53 1/2° E., 156 lks. dist.;
mkd. T 16 S R 12 E S 36 P I R B T

Palo verde 5 ins. dia., brs. S. 30° W., 120 lks. dist.,
mkd. T 16 S R 12 E S 35 P I R B T

Palo verde 6 ins. dia., brs. N. 29 1/2° W., 278 lks. dist.,
mkd. T 16 S R 12 E S 26 P I R B T

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 79.99 chs.
Mesquite and palo verde brush and cactus, 79.99 chs.

Thence S. 89° 56' E. on a true line bet. secs. 25
and 36, along S. bdy. of Papago Indian Reservation.

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

15.80 Wash, 10 lks. wide, course NE.

19.98 The proportional point for the W. 1/16 sec. cor. bet.
secs. 25 and 36.

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

W 1/16 in W.
S 25 P I R in N.
S 36 1915 in S.

From which a

Palo verde 5 ins. dia., brs. N. 9½° E., 65 lks. dist.,
mkd. W 1/16 S 25 P I R B T.

Palo verde 4 ins. dia., brs. S. 5¼° W., 133 lks. dist.,
mkd. W 1/16 S 36 B T.

39.96 The proportional point for the ¼ sec. cor. bet. secs.
25 and 36.

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

¼ in W.
S 25 P I R in N.
S 36 1915 in S.

From which a

Mesquite 5 ins. dia., brs. S. 58¼° W., 126 lks. dist.,
mkd. ¼ S 36 B T.

Mesquite 5 ins. dia., brs. N. 0° 45' W., 33 lks. dist.,
mkd. ¼ S 25 P I R B T.

55.00 Wash, 1 ch. wide, course NE.

59.95 The proportional point for the E. 1/16 sec. cor.
bet. secs. 25 and 36.

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

E 1/16 in W.
S 25 P I R in N.
S 36 1915 in S.

From which a

Palo verde 6 ins. dia., brs. S. 76° W., 44 lks. dist.,
mkd. E 1/16 S 36 B T.

Mesquite 4 ins. dia., brs. N. 50½° W., 19 lks. dist.,
mkd. E 1/16 S 25 P I R B T.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

79.93 The reestablished cor. of secs. 25, 30, 31 and 36,
on E. bdy. of tp., previously described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 79.93 chs.

Mesquite and palo verde brush and cactus, 79.93 chs.

June 12, 1915.

June 14, 1915. At 8^h 0^m a.m., l.m.t., I set off
32° 1' on lat. arc, and 23° 15' N. on decl. arc,
and determine a meridian with the solar at the restored
cor. of secs. 25, 26, 35 and 36, on S. bdy. of Papago
Indian Reservation, previously described.

Thence I run

N. 0° 41' E. on a true line bet. secs. 25 and 26.

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

40.01 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.

From which a

Mesquite 6 ins. dia., brs. N. 54 $\frac{1}{2}$ ° E., 51 lks. dist.,
mkd. $\frac{1}{4}$ S 25 B T.

Palo verde 6 ins. dia., brs. S. 68 $\frac{1}{2}$ ° W., 105 lks. dist.,
mkd. $\frac{1}{4}$ S 26 B T.

48.00 Road, Tucson to Nogales, brs. NE. & SW.

76.20 Wash, 20 lks. wide, course NE.

80.02 The old cor. of secs. 23, 24, 25 and 26, which is
a mesquite post 4 ins. square, well set and plainly
mkd. -

T XVI S XXIV on NE.
R XII E XXV on SE.
XXVI on SW.
XXIII on NW.

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

T 16 S S 23 in NW.
R 12 E S 24 in NE.
S 25 in SE.
S 26 in SW.
1915 in S.

From which a

Palo verde 8 ins. dia., brs. N. 87° E., 28 lks. dist.,
mkd. T 16 S R 12 E S 24 B T.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

Palo verde 6 ins. dia., brs. S. 18 1/2° E., 128 lks. dist.,
mkd. T 16 S. R 12 E S 25 B T.

Palo verde 8 ins. dia., brs. S. 64 1/4° W., 100 lks. dist.,
mkd. T 16 S R 12 E S 26 B T.

Mesquite 8 ins. dia., brs. N. 61 1/2° W., 65 lks. dist.,
mkd. T 16 S R 12 E S 23 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.02 chs.

Mesquite and palo verde brush and cactus, 80.02 chs.

N.

Thence/89° 58' E. on a true line bet. secs. 24 and 25.

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

~~1.00~~ Wash, 10 lks. wide, course N.

~~13.60~~ Road, Tucson to Nogales, brs. NE. & SW.

~~39.41~~ Set an iron post for the 1/4 sec. cor. bet. secs.
24 and 35, stamped on cap

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

From which a

Mesquite 10 ins. dia., brs. S. 51 1/2° W., 74 lks. dist.,
mkd. 1/4 S 25 B T.

Mesquite 12 ins. dia., brs. N. 12° W., 62 lks. dist.,
mkd. 1/4 S 24 B T.

~~73.00~~ Wash, 30 lks. wide, course NE.

~~78.82~~ The reestablished cor. of secs. 19, 24, 25 and 30
on E. bdy. of tp., previously described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 78.82 chs.

Mesquite and palo verde brush and cactus, 78.82 chs.

June 14, 1915. At this cor. I set off 23° 15' N. on
decl. arc, and at apparent noon observe the sun
on the meridian. The resulting lat. is 32° 2'
which is the proper lat.

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

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

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

39.61 Set an iron post 1 in. dia., for the W. C. to the
1/4 sec. cor. bet. secs. 23 and 24, stamped on cap -

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

W C 1/4 in N.
S 23 in W.
S 24 in E.
1915 in S.

From which a

Palo verde 6 ins. dia., brs. S. 84° E., 30 lks. dist.,
mkd. W C 1/4 S 24 B T.

Palo verde 6 ins. dia., brs. N. 42 1/2° W., 176 lks. dist.,
mkd. W C 1/4 S 23 B T.

39.96 The proportional point for the 1/4 sec. cor. falls in
wash, 40 lks. wide, course N. 15° E.

62.70 Wash, 50 lks. wide, course NE.

79.92 The old cor. of secs. 13, 14, 23 and 24, which is a,
mesquite post, 4 ins. square, well set, marked and
witnessed as described.
Set an iron post 2 ins. dia., stamped on cap

T 16 S S 14 in NW.
R 12 E S 13 in NE.
S 24 in SE.
S 23 in SW.
1915 in S.

From which a

Mesquite 6 ins. dia., brs. N. 7 1/2° E., 150 lks. dist.,
mkd. T 16 S R 12 E S 13 B T.

Palo verde 8 ins. dia., brs. S. 24 1/2° E., 61 lks. dist.,
mkd. T 16 S R 12 E S 24 B T.

Mesquite 6 ins. dia., brs. S. 78 1/2° W., 252 lks. dist.,
mkd. T 16 S R 12 E S 23 B T.

Palo verde 6 ins. dia., brs. N. 72 1/2° W., 188 lks. dist.,
mkd. T 16 S R 12 E S 14 B T.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde 79.92 chs.
Mesquite and palo verde brush and cactus, 79.92 chs.

Thence N. 89° 56' E., on a true line bet. secs. 13
and 24.

~~36.20~~ Wash, 100 lks. wide, course N. 60° E.

~~39.10~~ Set an iron post 1 in. dia., for the 1/4 sec. cor.
bet. secs. 13 and 24, stamped on cap

~~1/4 in W.
S 13 in N.
S 24 1915 in S.~~

~~From which a~~

~~Palo verde 12 ins. dia., brs. N. 65° E., 42 lks. dist.,
mkd. 1/4 S 13 B T.~~

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

~~Palo verde 15 ins. dia., brs. S. 12° W., 106 lks. dist.,
mkd. ¼ S 24 B T.~~

~~42.00 Wash, 60 lks. wide, course NE.~~

~~49.50 Road, brs. N. 30° E. and S. 30° W.~~

~~61.20 Wash, 20 lks. wide, course NE.~~

~~71.10 Wash, 10 lks. wide, course NE.~~

~~78.20 The reestablished cor. of secs. 13, 18, 19 and 24,
on E. bdy. of tp., previously described.~~

~~Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 78.20 chs.
Mesquite and palo verde brush and cactus, 78.20 chs.~~

~~June 14, 1915.~~

June 15, 1915. At 8h 0^m a.m., l.m.t., I set off 32° 24' on lat. arc, and 23° 18' on decl. arc, and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24.

Thence I run

N. 0° 23' E. on a true line bet. secs. 13 and 14.

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

5.40 Road, brs. NE. & SW.

9.50 Bend of wash, 40 lks. wide, course N. 15° W. from SW.

20.00 Wash, 40 lks. wide, course N. 30° E.

39.96 The proportional point for the ¼ sec. cor. bet. secs. 13 and 14

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

¼ in N.
8 14 in W.
8 13 in E.
1915 in S.

No B. T.s available.

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

79.92 The old cor. of secs. 11, 12, 13 and 14, which is a post 4 ins. square, well set and mkd. -

T XVI S XII on NE.
R XII E XIII on SE.
XIV on SW.
XI on NW.

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

ECC

Resurvey of Subdivision lines in T. 16 S. R. 12 E.

Chains

T 16 S 8 11 in NW.
R 12 E S 12 in NE.
S 13 in SE.
S 14 in SW.
1915 in S.

From which stumps of old B. T.s, 6 ins. above ground,
are a

Mesquite 10 ins. dia., brs. S. 55° W., 44 lks. dist.,

Mesquite 8 ins. dia., brs. N. 76½° W., 47 lks. dist.

No suitable B. T.s available.

Dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist.,
and raise a mound of earth 4 ft. base, 2 ft. high,
W. of cor.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 79.92 chs.

Mesquite and palo verde brush and cactus, 79.92 chs.

~~Thence N. 99° 56' E. on a true line bet. secs. 12
and 13.~~

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

8.50 Wash, 10 lks. wide, course N.

32.20 Wash, 30 lks. wide, course NE.

38.74 Set an iron post 1 in. dia. for the ¼ sec. cor. bet.
secs. 12 and 13, stamped on cap

¼ in W.
S 12 in N.
S 13 1915 in S.

From which a

Palo verde 8 ins. dia., brs. N. 38½° E., 174 lks. dist.,
mkd. ¼ S 12 B T.

Mesquite 6 ins. dia., brs. S. 14° W., 199 lks. dist.,
mkd. ¼ S 13 B T.

42.60 Wash, 15 lks. wide, course NE.

71.10 Road, brs. NE. & SW.

77.48 The reestablished cor. of secs. 7, 12, 13 and 18,
on E. bdy., previously described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 77.48 chs.

~~Mesquite and palo verde brush and cactus, 77.48 chs.~~

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

From the cor. of secs. 11, 12, 13 and 14, I run
N. 1° 41' W. on a true line bet. secs. 11 and 12.

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

20.70

Road, brs. NE. & SW.

20.90

Wash, 30 lks. wide, course NE.

40.04

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.

No B. T.s available.

Dig pits 18 x 18 x 12 ins. N. & S. of cor. 3 ft. dist.,
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.

51.30

Wash, 20 lks. wide, course NE.

80.09

The old cor. of secs. 1, 2, 11 and 12, which is a
post 4 ins. square, well set and plainly mkd.

T XVI S I on NE.
R XII E XII on SE.
XI on SW
II on NW.

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

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

From which a

Palo verde 5 ins. dia., brs. N. $28\frac{1}{2}$ ° E., 44 lks. dist.,
mkd. T 16 S R 12 E S 1 B T.

Palo verde 6 ins. dia., brs. S. 71° E., 80 lks. dist.,
mkd. T 16 S R 12 E S 12 B T.

Palo verde 5 ins. dia., brs. S. $61\frac{1}{2}$ ° W., 38 lks. dist.,
mkd. T 16 S R 12 E S 11 B T.

Mesquite 6 ins. dia., brs. N. 7° W., 77 lks. dist.,
mkd. T 16 S R 12 E S 2 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.09 chs.

Mesquite and palo verde brush and cactus, 80.09 chs.

June 15, 1915. At this cor. I set off 23° 18' N. on

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 4' which is the proper lat.

~~Thence N. 89° 52' E. on a true line bet. secs. 1 and 12.~~

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

~~1.60~~ Wash, 10 lks. wide, course N.

~~25.70~~ Wash, 30 lks. wide, course NE.

~~39.70~~ True point for the 1/4 sec. cor. bet. secs. 1 and 12, falls on unstable ground; set W. C. 8 lks. N. 89° 52' E.

~~39.97~~ an iron post 1 in. dia., for the Set W. C. to 1/4 sec. cor. bet. secs. 1 and 12, stamped on cap

1/4 in W.
S 1 in N.
S 12 1915 in S.

From which a

Palo verde 8 ins. dia., brs. N. 21 1/2° E., 159 lks. dist. mkd. 1/4 S 1 B T.

Palo verde 10 ins. dia., brs. S. 36 1/2° W., 54 lks. dist. mkd. 1/4 S 12 B T.

~~64.90~~ Road, brs. NE. & SW.

~~79.58~~ 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, 79.58 chs.

~~Mesquite and palo verde brush and cactus, 79.58 chs.~~

From the cor. of secs. 1, 2, 11 and 12, I run

N. 0° 46' W. on a true line bet. secs. 1 and 2.

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

28.10 Road, brs. N. 60° E. and S. 60° W.

40.66 The proportional point for the 1/4 sec. cor. bet. secs. 1 and 2.

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

1/4 in N.
S 2 in W.
S 1 in E.
1915 in S.

From which a

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

Palo verde 5 ins. dia., brs. N. $54\frac{1}{2}^{\circ}$ E., 49 lks. dist.,
mkd. $\frac{1}{4}$ S 1 B T.

Mesquite 4 ins. dia., brs. N. $26\frac{3}{4}^{\circ}$ W., 122 lks. dist.,
mkd. $\frac{1}{4}$ S 2 B T.

61.70 Wash, 15 lks. wide, course N. 10° E.

90.77 (50.11) 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, 90.77 chs.
Mesquite and palo verde brush and cactus, 90.77 chs.

June 15, 1915.

June 16, 1915. At 8^h 0^m a.m., l.m.t., I set off 32°
1' on lat. arc, and $23^{\circ} 20\frac{1}{2}'$ 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. $0^{\circ} 22'$ E. on a true line bet. secs. 26 and 27.

Desc. gradually over rolling land.

7.90 Wash, 150 lks. wide, course NE.

39.94 The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs.
26 and 27.

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

$\frac{1}{4}$ in N.
8 27 in W.
8 26 in E.
1915 in S.

From which a

Mesquite 8 ins. dia., brs. S. $85\frac{1}{2}^{\circ}$ E., 35 lks. dist.,
mkd. $\frac{1}{4}$ S 26 B T.

Mesquite 4 ins. dia., brs. N. $86\frac{1}{2}^{\circ}$ W., 48 lks. dist.,
mkd. $\frac{1}{4}$ S 27 B T.

65.00 Wash, 40 lks. wide, course NE.

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

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

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

BOOK 124

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

T 16 S S 22 in NW.
R 12 E S 23 in NE.
S 26 in SE.
S 27 in SW.
1915 in S.

From which a

Mesquite 6 ins. dia., brs. N. 18° E., 71 lks. dist.,
mkd. T 16 S R 12 E S 23 B T.

Palo verde 5 ins. dia., brs. S. 86° E., 37 lks. dist.,
mkd. T 16 S R 12 E S 26 B T.

Palo verde 4 ins. dia., brs. S. 29° W., 103 lks. dist.,
mkd. T 16 S R 12 E S 27 B T.

Mesquite 3 ins. dia., brs. N. 42° W., 81 lks. dist.,
mkd. T 16 S R 12 E S 22 B T.

Land, rolling.
Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 79.88 chs.
Mesquite and palo verde brush and cactus, 79.88 chs.

Thence N. 89° 41' E. on a true line bet. secs. 23 and 26.

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

10.00 Wash, 50 lks. wide, course NE.

15.00 Wash, 20 lks. wide, course N.

Seeing that the point for the ¼ sec. cor. bet.
secs. 23 and 26, will fall in wash, therefore -

39.00 Set an iron post 1 in. dia., for the W. C. to the ¼
sec. cor. bet. secs. 23 and 26, stamped on cap -
W C in E.
¼ in W.
S 23 in N.
S 26 1915 in S.

From which a

Mesquite 10 ins. dia., brs., S. 51½° E., 26 lks. dist.,
mkd. W C ¼ S 26 B T.

Palo verde 6 ins. dia., brs. N. 22½° W., 161 lks. dist.,
mkd. W C ¼ S 23 B T.

40.20 The proportional point for the ¼ sec. cor. falls in
wash, 2 chs. wide, course NE., impracticable to set.

45.00 Wash, 10 lks. wide, course N.

80.40 The cor. of secs. 23, 24, 25 and 26, previously
described.

Land, rolling.
Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.40 chs.
Mesquite and palo verde brush and cactus, 80.40 chs.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains	
<p>5.00 23.30 35.00 40.36</p>	<p>From the cor. of secs. 22, 23, 26 and 27, I run N. 1° 16' W. on a true line bet. secs. 22 and 23. Desc. gradually over rolling land, through scattered mesquite, palo verde and cactus.</p> <p>Wash, 10 lks. wide, course NE.</p> <p>Road, brs. NE. & SW.</p> <p>Wash, 40 lks. wide, course NE.</p> <p>The old $\frac{1}{4}$ sec. cor. bet. secs. 22 and 23, which is a post 3 ins. square, well set and plainly mkd. $\frac{1}{4}$ S on W. face.</p> <p>N. and alongside set an iron post 1 in. dia., stamped on cap -</p> <p style="padding-left: 40px;">$\frac{1}{4}$ in N. S 22 in W. S 23 in E. 1915 in S.</p> <p>From which a</p> <p>Palo verde 6 ins. dia., brs. S. 68$\frac{1}{4}$° E., 41 lks. dist., mkd. $\frac{1}{4}$ S 23 B T.</p> <p>Mesquite 5 ins. dia., brs. S. 86$\frac{1}{2}$° W., 136 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.</p> <p>Land, rolling. Soil, 3rd rate. Timber, scattered mesquite and palo verde, 40.36 chs. Mesquite and palo verde brush and cactus, 40.36 chs.</p> <p>June 16, 1915. At this cor. I set off 23° 20$\frac{1}{2}$' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 2' which is the proper lat.</p>
39.98	<p>Thence N. 0° 34' E. on a true line bet. secs. 22 and 23. Desc. gradually over rolling land, through scattered mesquite, palo verde and cactus.</p> <p>The old cor. of secs. 14, 15, 22 and 23, which is a post 4 ins. square, well set and plainly mkd. -</p> <p style="padding-left: 40px;">T XVI S XIV on NE. R XII E XXIII on SE. XXII on SW. XV on NW.</p> <p>N. and alongside set an iron post 2 ins. dia., stamped on cap -</p> <p style="padding-left: 40px;">T 16 S S 15 in NW. R 12 E S 14 in NE. S 23 in SE. S 22 in SW. 1915 in S.</p>

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

From which an old B. T. a

Mesquite 10 ins. dia., brs. N. 4° E., 60 lks. dist.,
mkd. T 16 S R 12 E S 14 B T.

New B. T.s

Palo verde 8 ins. dia., brs. S. 29½° E., 77 lks. dist.,
mkd. T 16 S R 12 E S 23 B T.

Palo verde 6 ins. dia., brs. S 13½° W., 73 lks. dist.,
mkd. T 16 S R 12 E S 22 B T.

Mesquite 4 ins. dia., brs. N. 57½° W., 122 lks. dist.,
mkd. T 16 S R 12 E S 15 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 39.98 chs.

Mesquite and palo verde brush and cactus, 39.98 chs.

Thence N. 89° 57' E. on a true line bet. secs. 14 and
23.

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

11.30 Wash, 10 lks. wide, course NE.

40.64 The proportional point for the ¼ sec. cor. bet.
secs. 14 and 23.

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

¼ in W.
S 14 in N.
S 23 1915 in S.

From which a

Mesquite 7 ins. dia., brs. S. 60½° W., 120 lks. dist.,
mkd. ¼ S 23 B T.

Palo verde 4 ins. dia., brs. N. 87½° W., 165 lks. dist.,
mkd. ¼ S 14 B T.

42.50 Wash, 50 lks. wide, course N. 60° E.

71.70 Wash, 10 lks. wide, course NE.

71.90 Road, brs. NE. & SW.

81.28 The cor. of secs. 13, 14, 23 and 24, 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.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

From the cor. of secs. 14, 15, 22 and 23, I run
N. 0° 54' E. on a true line bet. secs. 14 and 15.
Desc. gradually over rolling land, through
scattered mesquite, palo verde and cactus.

13.20

Road, brs. NE. & SW.

31.70

Road, brs. NE. & SW.

36.00

Wash, 15 lks. wide, course NE.

39.92

The proportional point for the 1/4 sec. cor. bet.
secs. 14 and 15.

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

1/4 in N.
S 15 in W.
S 14 in E.
1915 in S.

From which a

Mesquite 12 ins. dia., brs. S. 53 1/2° E., 59 lks. dist.,
mkd. 1/4 S 14 B T.

Mesquite 12 ins. dia., brs. N. 46 1/2° W., 46 lks. dist.,
mkd. 1/4 S 15 B T.

79.84

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 12 E S 11 in NE.
S 14 in SE.
S 15 in SW.
1915 in S.

From which a

Mesquite 8 ins. dia., brs. N. 72° E., 89 lks. dist.,
mkd. T 16 S R 12 E S 11 B T.

Mesquite 5 ins. dia., brs. S 2 1/4° E., 65 lks. dist.,
mkd. T 16 S R 12 E S 14 B T.

Mesquite 5 ins. dia., brs. S 42 1/2° W., 77 lks. dist.,
mkd. T 16 S R 12 E S 15 B T.

Old B. T.

Palo verde 8 ins. dia., brs. N. 89 1/2° W., 17 lks. dist.,
mkd. only B T.

Land, rolling
Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 79.84 chs.
Mesquite and palo verde brush and cactus, 79.84 chs.

June 16, 1915.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

June 17, 1915. At 8^h 0^m a.m., l.m.t., I set off 32° 3' on lat. arc, and 23° 22 $\frac{1}{2}$ ' 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. 89° 51' E. on a true line bet. secs. 11 and 14.

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

27.10 Wash, 20 lks. wide, course NE.

40.21 The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 11 and 14.

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

$\frac{1}{4}$ in W.
S 11 in N.
S 14 1915 in S.

From which a

Palo verde 6 ins. dia., brs. N. 50° E., 43 lks. dist., mkd. $\frac{1}{4}$ S 11 B T.

Mesquite 5 ins. dia., brs., S. 74° W., 29 lks. dist., mkd. $\frac{1}{4}$ S 14 B T.

52.00 Wash, 10 lks. wide, course NE.

57.20 Road, brs. NE. & SW.

61.20 Wash, 20 lks. wide, course NE.

80.41 The cor. of secs. 11, 12, 13 and 14, previously described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.41 chs.

Mesquite and palo verde brush and cactus, 80.41 chs.

From the cor. of secs. 10, 11, 14 and 15, I run

N. 4° 3' W. on a true line bet. secs. 10 and 11.

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

40.06 The old $\frac{1}{4}$ sec. cor. bet. secs. 10 and 11, which is a post 3 ins. square, well set and plainly mkd. $\frac{1}{4}$ S on W. face.

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

$\frac{1}{4}$ in N.
S 10 in W.
S 11 in E.
1915 in S.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

From which a

Mesquite 5 ins. dia., brs. S. $40\frac{1}{2}^\circ$ E., 80 lks. dist.,
mkd. $\frac{1}{4}$ S 11 B T.

Mesquite 7 ins. dia., brs. S. $5\frac{1}{2}^\circ$ W., 125 lks. dist.,
mkd. $\frac{1}{4}$ S 10 B T.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 40.06 chs.
Mesquite and palo verde brush and cactus, 40.06 chs.

Thence N. $1^\circ 20'$ E. on a true line bet. secs. 10
and 11, N $\frac{1}{2}$

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

15.00 Wash, 15 lks. wide, course NE.

15.40 Road, brs. NE. & SW.

30.40 Road, brs. NE. & SW.

39.90 Wash, 20 lks. wide, course NE.

40.33 The proportional 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 12 E S 2 in NE.
S 11 in SE.
S 10 in SW.
1915 in S.

From which a

Palo verde 8 ins. dia., brs. N. $55\frac{1}{2}^\circ$ E., 90 lks. dist.,
mkd. T 16 S R 12 E S 2 B T.

Palo verde 7 ins. dia., brs. S. $79\frac{1}{4}^\circ$ E., 26 lks. dist.,
mkd. T 16 S R 12 E S 11 B T.

Palo verde 6 ins. dia., brs. S 67° W., 91 lks. dist.,
mkd. T 16 S R 12 E S 10 B T.

Palo verde 6 ins. dia., brs. N. 22° W., 130 lks. dist.,
mkd. T 16 S R 12 E S 3 B T.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 40.33 chs.
Mesquite and palo verde brush and cactus, 40.33 chs.

June 17, 1915. At this cor. I set off $23^\circ 22\frac{1}{2}'$ N.
on decl. arc, and at apparent noon observe the
sun on the meridian. The resulting lat. is $32^\circ 4'$
which is the proper lat.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

Thence S. 89° 57' E. on a true line bet. secs. 2 and 11.

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

.60 Wash, 20 lks. wide, course NE.

5.80 Road, brs. NE. & SW.

37.20 Wash, 15 lks. wide, course NE.

39.40 Road, brs. N. 60° E. and S. 60° W.

39.94 The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 2 and 11.

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

$\frac{1}{4}$ in W.
S 2 in N.
S 11 1915 in S.

From which a

Palo verde 5 ins. dia., brs. S. 44 $\frac{1}{2}$ ° E., 62 lks. dist., mkd. $\frac{1}{4}$ S 11 B T.

Mesquite 8 ins. dia., brs. N. 77 $\frac{3}{4}$ ° W., 24 lks. dist., mkd. $\frac{1}{4}$ S 2 B T.

58.10 Wash, 40 lks. wide, course NE.

76.20 Wash, 10 lks. wide, course N.

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

Land, rolling.
Soil, 3rd rate.
Timber, mesquite and palo verde, 79.88 chs.
Mesquite and palo verde brush and cactus, 79.88 chs.

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

N. 1° 28' W. on a true line bet. secs. 2 and 3.

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

40.33 The old $\frac{1}{4}$ sec. cor. bet. secs. 2 and 3, which is a post 3 ins. square, well set and plainly mkd. $\frac{1}{4}$ S on W. face.

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

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

From which a

Palo verde 6 ins. dia., brs. S. 17 $\frac{1}{4}$ ° E., 22 lks. dist., mkd. $\frac{1}{4}$ S 2 B T.

BOOK 3424

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

Palo verde 5 ins. dia., brs. S. 66½° W., 66 lks. dist.,
mkd. ¼ S 3 B T.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 40.33 chs.
Mesquite and palo verde brush and cactus, 40.33 chs.

13.50 Thence N. 0° 1' E. on a true line bet. secs. 2 and 3, N½
Wash, 5 lks. wide, course N. 30° E.
49.98 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, 49.98 chs.
Mesquite and palo verde brush and cactus, 49.98 chs.

June 17, 1915.

June 18, 1915. At 8^h 0^m a.m., l.m.t., I set off 32° 1'
on lat. arc, and 23° 24½' N. on decl. arc, and deter-
mine a meridian with the solar at the cor. of secs.
27, 28, 33 and 34 on the S. bdy. of Papago Indian
Reservation, previously described.

Thence I run
N. 0° 28' W. on a true line bet. secs. 27 and 28.

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

3.00 Road, N. 60° E. and S. 60° W.

13.30 Wash, 50 lks. wide, course NE.

20.44 Fall 3 lks. E. of Chillson's old 1/16 sec. cor.,
which is a stone 10 x 4 x 16 ins. above ground,
well set and plainly mkd. 1/16 on W. face. Witnessed
by a mound of stone.

37.30 Wash, 20 lks. wide, course NE.

40.62 The old ¼ sec. cor. bet. secs. 27 and 28, which is a
post 3 ins. square, well set and plainly mkd. ¼ S
on W. face.

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

- ¼ in N.
- S 28 in W.
- S 27 in E.
- 1915 in S.

From which a

Mesquite 8 ins. dia., brs. N. 86½° E., 159 lks. dist.,
mkd. ¼ S 27 B T.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

Mesquite 6 ins. dia., brs. S. 81° W., 48 lks. dist.,
mkd. $\frac{1}{4}$ S 28 B T.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 40.62 chs.
Mesquite and palo verde brush and cactus, 40.62 chs.

Thence N. 1° 25' E. on a true line bet. secs. 27 and 28.

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

27.90 Wash, 30 lks. wide, course NE.

39.98 The proportional point for the cor. of secs. 21, 22, 27 and 28, falls in wash, 10 lks. wide, course N. 10° E., therefore -

30 lks. N. 0° 56' W. of true point
for the W. C. to secs. 21, 22, 27 and 28,
Set an iron post 2 ins. dia., stamped on cap

T 16 S S 21 in NW.
R 12 E S 22 in NE.
S 27 in SE.
S 28 in SW.
1915 in S.

From which a

Palo verde 8 ins. dia., brs. N. 24½° E., 65 lks. dist.,
mkd. T 16 S R 12 E S 22 B T.

Palo verde 8 ins. dia., brs. S 65½° E., 92 lks. dist.,
mkd. T 16 S R 12 E S 27 B T.

Mesquite 4 ins. dia., brs. S. 14° W., 65 lks. dist.,
mkd. T 16 S R 12 E S 28 B T.

Palo verde 7 ins. dia., brs. ^S82° W., 17 lks. dist.,
mkd. T 16 S R 12 E S 28 B T.

(No tree available in NW. quadrant.)

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 39.98 chs.
Mesquite and palo verde brush and cactus, 39.98 chs.

From the true point for the cor. of secs. 21, 22, 27 and 28.

Thence S. 89° 50' E. on a true line bet. secs. 22 and 27.

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

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains	
16.20	Wash, 30 lks. wide, course NE.
40.05	The proportional point for the $\frac{1}{4}$ sec. cor. of 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 6 ins. dia., brs. S. 14° W., 87 lks. dist., mkd. $\frac{1}{4}$ S 27 B T. Palo verde 8 ins. dia., brs. N. $6\frac{1}{2}^{\circ}$ W., 114 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.
41.60	Wash, 40 lks. wide, course NE.
55.00	Wash, 20 lks. wide, course NE.
66.50	Road, brs. NE. & SW.
80.09	The cor. of secs. 22, 23, 26 and 27, previously described. Land, rolling. Soil, 3rd rate. Timber, scattered mesquite and palo verde, 80.09 chs. Mesquite and palo verde brush and cactus, 80.09 chs. June 18, 1915. At this cor. I set off $23^{\circ} 24\frac{1}{2}'$ N. on decl. arc, and at apparent noon, observe the sun on the meridian. The resulting lat. is $32^{\circ} 2'$ which is the proper lat.
	From the true point for the cor. of secs. 21, 22, 27 and 28, I run N. $0^{\circ} 56'$ W. on a true line bet. secs. 21 and 22. Desc. gradually over rolling land, through scattered mesquite, palo verde and cactus.
.30	The W. C. to the cor. of secs. 21, 22, 27 and 28.
4.90	Road, brs. NE. & SW.
39.80	Road, brs. NE. & SW.
39.97	The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 21 and 22. Set an iron post 1 in. dia., stamped on cap $\frac{1}{4}$ in N. S 21 in W. S 22 in E. 1915 in S. From which a

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

Mesquite 5 ins. dia., brs. S. 88½° E., 209 lks. dist.,
mkd. ¼ S 22 B T.

Mesquite 6 ins. dia., brs. N. 77½° W., 209 lks. dist.,
mkd. ¼ S 21 B T.

44.30 Wash, 10 lks. wide, course NE.

75.70 Road, brs. NE. & SW.

79.95 The old cor. of secs. 15, 16, 21 and 22, which is
a post 4 ins. square, well set and plainly mkd.

T XVI S XV on NE.
R XII E XXII on SE.
XXI on SW.
XVI on NW.

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

T 16 S S 16 in NW.
R 12 E S 15 in NE.
S 22 in SE.
S 21 in SW.
1915 in S.

From which old B. T.s

Mesquite 15 ins. dia., brs. N. 75° E., 59 lks. dist.,
mkd. XV.

Mesquite 8 ins. dia., brs. N. 69½° W., 179 lks. dist.,
mkd. XVI.

New B. T.s

Mesquite 10 ins. dia., brs. S. 30° E., 246 lks. dist.,
mkd. T 16 S R 12 E S 22 B T.

Mesquite 12 ins. dia., brs. S. 46½° NW., 46 lks. dist.,
mkd. T 16 S R 12 E S 21 B T.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 79.94 chs.
Mesquite and palo verde brush and cactus, 79.94 chs.

Thence E. on a true line bet. secs. 15 and 22.

Desc. over rolling land, sloping towards NE., through
scattered mesquite, palo verde and cactus.

1.70 Road, brs. NE. & SW.

35.90 Wash, 15 lks. wide, course NE.

40.46 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 1915 in S.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

From which a

Mesquite 4 ins. dia., brs. N. 84° E., 70 lks. dist.,
mkd. ¼ S 15 B T.

Mesquite 8 ins. dia., brs. S. 6½° E., 118 lks. dist.,
mkd. ¼ S 22 B T.

43.90 Road, brs. NE. & SW.

52.90 Wash, 20 lks. wide, course NE.

68.00 Road, brs. NE. & SW.

80.93 The cor. of secs. 14, 15, 22 and 23, previously
described.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 80.93 chs.
Mesquite and palo verde brush and cactus, 80.93 chs.

June 18, 1915.

June 19, 1915. At 8^h 0^m a.m., l.m.t., I set off 32°
2½' on lat. arc, and 23° 26' N. on decl. arc, and
determine a meridian with the solar at the cor. of
secs. 15, 16, 21 and 22, previously described.

Thence I run

N. 1° 6' E. on a true line bet. secs. 15 and 16

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

39.86 The proportional point for the ¼ sec. cor. bet. secs.
15 and 16.

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

¼ in N.
S 16 in W.
S 15 in E.
1915 in S.

From which a

Palo verde 6 ins. dia., brs. N. 81½° E., 146 lks. dist.,
mkd. ¼ S 15 B T.

Palo verde 6 ins. dia., brs. S. 41½° W., 220 lks. dist.,
mkd. ¼ S 16 B T.

79.72 The proportional point for the cor. of secs. 9, 10,
15 and 16.

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

T 16 S S 9 in NW.
R 12 E S 10 in NE.
S 15 in SE.
S 16 in SW.
1915 in S.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

From which a

Palo verde 4 ins. dia., brs. N. 71 $\frac{1}{2}$ ° E., 82 lks. dist.,
mkd. T 16 S R 12 E S 10 B T.

Palo verde 5 ins. dia., brs. S. 40° E., 124 lks. dist.,
mkd. T 16 S R 12 E S 15 B T.

Palo verde 4 ins. dia., brs. S. 19 $\frac{1}{4}$ ° W., 242 lks. dist.,
mkd. T 16 S R 12 E S 16 B T.

Mesquite 4 ins. dia., brs. N. 67° W., 51 lks. dist.,
mkd. T 16 S R 12 E S 9 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde 79.72 chs.

Mesquite and palo verde brush and cactus, 79.72 chs.

Thence N. 89° 58' E. on a true line bet. secs.
10 and 15.

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

29.80

Wash, 15 lks. wide, course NE.

40.31

The reestablished point for the $\frac{1}{4}$ sec. cor. bet.
secs. 10 and 15.

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

$\frac{1}{4}$ in W.
S 10 in N.
S 15 1915 in S.

From which an old B. T. a

Palo verde 10 ins. dia., brs. S. 45° E., 12 lks. dist.,
mkd. XV.

New B. T. a

Palo verde 8 ins. dia., brs. N. 38 $\frac{1}{2}$ ° E., 125 lks. dist.,
mkd. $\frac{1}{4}$ S 10 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 40.31 chs.

Mesquite and palo verde brush and cactus, 40.31 chs.

Thence N. 89° 45' E. on a true line bet. secs. 10
and 15.

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

6.80

Wash, 20 lks. wide, course N. 30° E.

9.60

Road, brs. NE. & SW.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

19.60 Wash, 5 lks. wide, course NE.
 32.50 Wash, 20 lks. wide, course N. 10° E.
 40.22 The cor. of secs. 10, 11, 14 and 15, 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. 9, 10, 15 and 16, I run
 N. 63° 17' W. on a true line bet. secs. 9 and 10.

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

16.70 Wash, 5 lks. wide, course N. 15° E.
 22.60 Bend of same wash, 5 lks. wide, course N. 15° E.
 from S. 15° E.
 31.40 Same wash, 10 lks. wide, course N. 15° W.
 35.30 Same wash, 10 lks. wide, course N. 15° E.
 39.92 The old $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10, which is
 a post 3 ins. square, well set and plainly mkd.
 $\frac{1}{4}$ S on W. face.
 N. and alongside set an iron post 1 ins. dia.,
 stamped on cap

$\frac{1}{4}$ in N.
 S 9 in W.
 S 10 in E.
 1915 in S.

From which a

Palo verde 4 ins. dia., brs. N. 50 $\frac{1}{2}$ ° E., 46 lks. dist.,
 mkd. $\frac{1}{4}$ S 10 B T.

Palo verde 8 ins. dia., brs. N. 26 $\frac{1}{2}$ ° W., 61 lks. dist.,
 mkd. $\frac{1}{4}$ S 9 B T.

Land, rolling.
 Soil, 3rd rate.
 Timber, mesquite and palo verde, 39.92 chs.
 Mesquite and palo verde brush and cactus, 39.92 chs.

June 19, 1915. At this cor. I set off 23° 26' N.
 on decl. arc, and at apparent noon observe the sun
 on the meridian. The resulting lat. is 32° 4' which is
 within 1' of the proper lat.

Resurvey of Subdivision lines of T. 16 S., R 12 E.

Chains

1° 30' E.

Thence N./ on a true line bet. secs. 9 and 10, N $\frac{1}{2}$

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

3.60 Wash, 15 lks. wide, course N. 15° W.

40.32 The proportional point for the cor. of secs. 3, 4, 9 and 10.

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

T 16 S 4 in NW.
 R 12 E 3 in NE.
 S 10 in SE.
 S 9 in SW.
 1915 in S.

From which a

Mesquite 7 ins. dia., brs. N. 43° E., 168 lks. dist., mkd. T 16 S R 12 E S 3 B T.

Mesquite 6 ins. dia., brs. S. 26° E., 56 lks. dist., mkd. T 16 S R 12 E S 10 B T.

Mesquite 8 ins. dia., brs. N. 89° W., 152 lks. dist., mkd. T 16 S R 12 E S 4 B T.

No other B. T. 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,

Land, rolling. W. of cor.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 40.32 chs.

Mesquite and palo verde brush and cactus, 40.32 chs.

Thence N. 89° 44' E. on a true line bet. secs. 3 and 10.

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

39.96 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

Palo verde 6 ins. dia., brs. N. 22° E., 190 lks. dist., mkd. $\frac{1}{4}$ S 3 B T.Palo verde 15 ins. dia., brs. S. 80° W., 212 lks. dist., mkd. $\frac{1}{4}$ S 10 B T.

68.40 Wash, 5 lks. wide, course N.

79.91 The cor. of secs. 2, 3, 10 and 11, previously described.

Resurvey of Subdivision lines in T. 16 S., R 12 E.

Chains

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 79.91 chs.
Mesquite and palo verde brush and cactus, 79.91 chs.

From the cor. of secs. 3, 4, 9 and 10, I run
N. 0° 37' W. on a true line bet. secs. 3 and 4.

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

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

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

$\frac{1}{4}$ in N.
8 4 in W.
8 3 in E.
1915 in S.

From which a

Mesquite 6 ins. dia., brs. S. 33 $\frac{1}{2}$ ° E., 91 lks. dist.,
mkd. $\frac{1}{4}$ S 3 B T.

Palo verde 8 ins. dia., brs. N. 44 $\frac{1}{2}$ ° W., 87 lks. dist.,
mkd. $\frac{1}{4}$ S 4 B T.

54.80 Wash, 5 lks. wide, course N. 20° E.

90.51 The reestablished C. C. of secs. 3 and 4, on N. bdy.
of tp. previously described.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite, palo verde and cactus,
90.51 chs.
Mesquite and palo verde brush and cactus, 90.51 chs.

June 19, 1915.

June 21, 1915. At 8^h 0^m a.m., l.m.t., I set off
32° 1' on lat. arc, and 23° 27 $\frac{1}{2}$ ' N. on decl. arc,
and determine a meridian with the solar at the
cor. of secs. 28, 29, 32 and 33, on S. bdy. of
Papago Indian Reservation.

Thence I run

N. 0° 34' E. on a true line bet. secs. 28 and 29.

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

3.60 Road, brs. NW. & SE.

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

20.80 Road, brs. N. 75° E. and S. 75° W.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains	
22.30	Group of Indian houses about 6 chs. W.
23.80	Road, brs. S. 75° E. and N. 75° W.
31.50	Road, brs. E. & W.
34.50	Wash, 1 ch. wide, course N. 15° E.
40.10	The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 28 and 29.
	Set an iron post 1 in. dia., stamped on cap
	$\frac{1}{4}$ in N. S 29 in W. S 28 in E. 1915 in S.
	From which a
	Palo verde 6 ins. dia., brs. N. 72 $\frac{1}{2}$ ° E., 69 lks. dist., mkd. $\frac{1}{4}$ S 28 B T.
	Palo verde 7 ins. dia., brs. N. 55 $\frac{1}{2}$ ° W., 109 lks. dist., mkd. $\frac{1}{4}$ S 29 B T.
43.70	Fence, brs. E. & W.; leave scattered timber; enter cleared land.
54.10	Fence, brs. E. & W.; leave cleared land; enter scattered timber.
63.90	Road, brs. NE. & SW.
80.20	The proportional point for the cor. of secs. 20, 21, 28 and 29.
	Set an iron post 2 ins. dia., stamped on cap
	T 16 S S 20 in NW. R 12 E S 21 in NE. S 28 in SE. S 29 in SW. 1915 in S.
	From which a
	Mesquite 4 ins. dia., brs. N. 44 $\frac{1}{2}$ ° E., 97 lks. dist., mkd. T 16 S R 12 E S 21 B T.
	Mesquite 5 ins. dia., brs. S 9° E., 59 lks. dist., mkd. T 16 S R 12 E S 28 B T.
	Mesquite 3 ins. dia., brs. S. 45° W., 88 lks. dist., mkd. T 16 S R 12 E S 29 B T.
	Mesquite 6 ins. dia., brs. N. 72 $\frac{1}{2}$ ° W., 91 lks. dist., mkd. T 16 S R 12 E S 20 B T.
	Land, rolling. Soil, 3rd rate. Timber, scattered mesquite and palo verde, 80.20 chs. Mesquite and palo verde brush and cactus, 80.20 chs.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

Thence N. 89° 36' E. on a true line bet. secs. 21 and 28.

Over rolling land sloping gradually towards NE., through scattered mesquite, palo verde and cactus.

17.70 Wash, 1 ch. wide, course N.

25.10 Road, brs. NE. & SW.

40.07 The old $\frac{1}{4}$ sec. cor. bet. secs. 21 and 28, which is a post 3 ins. square, well set and plainly mkd. $\frac{1}{4}$ ' S on N. face.

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

$\frac{1}{4}$ in W.
S 21 in N.
S 28 1915 in S.

From which a

Palo verde 8 ins. dia., brs. S. 12 $\frac{1}{2}$ ° W., 105 lks dist. mkd. $\frac{1}{4}$ S 28 B T.

Palo verde 6 ins. dia., brs. N. 88 $\frac{1}{2}$ ° W., 75 lks. dist. mkd. $\frac{1}{4}$ S 21 B T.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 40.07 chs.
Mesquite and palo verde brush and cactus, 40.07 chs.

Thence N. 88° 55' E. on a true line bet. secs. 21 and 28.

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

15.40 Road, brs. N. 30° E. and S. 30° W.

33.60 Road, brs. NE. & SW.

40.04 The true point for the cor. of secs. 21, 22, 27 and 28, previously described.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 40.04 chs.
Mesquite and palo verde brush and cactus, 40.04 chs.

From the cor. of secs. 20, 21, 28 and 29, I run N. 0° 6' E. on a true line bet. secs. 20 and 21.

Gradually desc. over rolling land, through scattered mesquite, palo verde and cactus.

20.48 Fall 18 lks. E. of Chilson's old 1/16 sec. cor., which is a stone 6 x 4 x 10 ins. above ground, mkd. 1/16 on W. face.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

40.10

The old $\frac{1}{4}$ sec. cor. bet. secs. 20 and 21, which is a post 3 ins. square, well set and plainly mkd. $\frac{1}{4}$ S on W. face.

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

$\frac{1}{4}$ in N.
S 20 in W.
S 21 in E.
1915 in S.

From which a

Palo verde 5 ins. dia., brs. N. $77\frac{1}{2}^{\circ}$ E., 27 lks. dist., mkd. $\frac{1}{4}$ S 21 B T.

Mesquite 4 ins. dia., brs. S. $23\frac{1}{2}^{\circ}$ W., 16 lks. dist., mkd. $\frac{1}{4}$ S 20 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 40.10 chs.

Mesquite and palo verde brush and cactus, 40.10 chs.

June 21, 1915. At this cor. I set off $23^{\circ} 27'$ N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is $32^{\circ} 2\frac{1}{2}'$ which is within 1' of the proper lat.

Thence N. $1^{\circ} 46'$ W. on a true line bet. secs. 20 and 21.

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

40.49

The old cor. of secs. 16, 17, 20 and 21, which is a post 4 ins. square, well set and plainly mkd.

T XVI S XVI on NE.
R XII E XXI on SE.
X X on SW.
XVII on NW.

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

T 16 S S 17 in NW.
R 12 E S 16 in NE.
S 21 in SE.
S 20 in SW.
1915 in S.

From which a

Palo verde 8 ins. dia., brs. N. 32° E., 140 lks. dist., mkd. T 16 S R 12 E S 16 B T.

Mesquite 4 ins. dia., brs. S. $39\frac{1}{2}^{\circ}$ E., 77 lks. dist., mkd. T 16 S R 12 E S 21 B T.

Palo verde 6 ins. dia., brs. S. $31\frac{1}{2}^{\circ}$ W., 24 lks. dist., mkd. T 16 S R 12 E S 20 B T.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

Palo verde 6 ins. dia., brs. N. $17\frac{1}{2}^{\circ}$ W., 107 lks. dist.,
mkd. T 16 S R 12 E S 17 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 40.49 chs.

Mesquite and palo verde brush and cactus, 40.49 chs.

Thence N. $89^{\circ} 39'$ E. on a true line bet. secs. 16
and 21.

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

31.10 Wash, 2 chs. wide, course N.

39.99 The proportional point for the $\frac{1}{4}$ sec. cor. bet.
secs. 16 and 21.

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

$\frac{1}{4}$ in W.

S 16 in N.

S 21 1915 in S.

From which a

Mesquite 4 ins. dia., brs. S. $1\frac{1}{2}^{\circ}$ W., 117 lks. dist.,
mkd. $\frac{1}{4}$ S 21 B T.

Mesquite 4 ins. dia., brs. N. $68\frac{1}{2}^{\circ}$ W., 103 lks. dist.,
mkd. $\frac{1}{4}$ S 16 B T.

51.20 Wash, 15 lks. wide, course N. 15° W.

79.98 The cor. of secs. 15, 16, 21 and 22, previously
described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 79.98 chs.

Mesquite and palo verde brush and cactus, 79.98 chs.

From the cor. of secs. 16, 17, 20 and 21, I run

N. $0^{\circ} 32'$ E. on a true line bet. secs. 16 and 17.

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

39.97 The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs.
16 and 17.

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

$\frac{1}{4}$ in N.

S 17 in W.

S 16 in E.

1915 in S.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

From which a

Mesquite 5 ins. dia., brs. N. $82\frac{1}{4}^{\circ}$ E., 162 lks. dist.,
mkd. $\frac{1}{4}$ S 16 B T.Palo verde 5 ins. dia., brs. N. 64° W., 72 lks. dist.,
mkd. $\frac{1}{4}$ S 17 B T.

54.40

Wash, 30 lks. wide, course NE.

79.94

The proportional point for the cor. of secs. 8, 9,
16 and 17.

Set an iron post 3 ins. dia., stamped on cap

T 16 S S 8 in NW.
R 12 E S 9 in NE.
S 16 in SE.
S 17 in SW.
1915 in S.

From which a

Palo verde 8 ins. dia., brs. S. 37° W., 266 lks. dist.,
mkd. T 16 S R 12 E S 17 B T.Palo verde 7 ins. dia., brs. N. $24\frac{1}{2}^{\circ}$ W., 213 lks. dist.,
mkd. T 16 S R 12 E S 8 B T.

No other E. 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.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 79.94 chs.

Mesquite and palo verde brush and cactus, 79.94 chs.

June 21, 1915.

June 22, 1915. At 8^h 0^m a.m., l.m.t., I set off
 $32^{\circ} 3'$ on lat. arc, and $23^{\circ} 27\frac{1}{2}'$ N. on decl. arc,
and determine a meridian with the solar at the cor.
of secs. 8, 9, 16 and 17, previously described.

Thence I run

N. $89^{\circ} 50'$ E. on a true line bet. secs. 9 and 16.Over rolling land sloping gradually towards N.,
through scattered mesquite, palo verde and cactus.

16.30

Wash, 30 lks. wide, course NE.

35.90

Wash, 20 lks. wide, course N.

40.39

The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs.
9 and 16.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

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

$\frac{1}{4}$ in W.
 S 9 in N.
 S 16 1915 in S.

From which a

Palo verde 8 ins. dia., brs. N. 40° E., 95 lks. dist.,
 mkd. $\frac{1}{4}$ S 9 B T.

Mesquite 4 ins. dia., brs. S. 5 $\frac{1}{2}$ ° W., 225 lks. dist.,
 mkd. $\frac{1}{4}$ S 16 B T.

45.00 Wash, 60 lks. wide, course N.

80.78 The cor. of secs. 9, 10, 15 and 16, previously
 described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.78 chs.

Mesquite and palo verde brush and cactus, 80.78 chs.

From the cor. of secs. 8, 9, 16 and 17, I run

N. 2° 53' W. on a true line bet. secs. 8 and 9.

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

40.02 The old $\frac{1}{4}$ sec. cor. bet. secs. 8 and 9, which is a
 post 3 ins. square, well set and plainly mkd.
 $\frac{1}{4}$ S. on W. face.

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

$\frac{1}{4}$ in N.
 S 8 in W.
 S 9 in E.
 1915 in S.

From which a

Palo verde 8 ins. dia., brs. S. 30° E., 136 lks. dist.,
 mkd. $\frac{1}{4}$ S 9 B T.

Palo verde 6 ins. dia., brs. W. 152 lks. dist.,
 mkd. $\frac{1}{4}$ S 8 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 40.02 chs.

Mesquite and palo verde brush and cactus, 40.02 chs.

Thence N. 2° 21' E., on a true line bet. secs. 8 and 9.
 N. $\frac{1}{4}$.

40.29 The proportional point for the cor. of secs. 4, 5, 8
 and 9.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains	
	<p>Set an iron post 2 ins. dia., stamped on cap</p> <p style="padding-left: 40px;">T 16 S S 5 in NW. R 12 E S 4 in NE. S 9 in SE. S 8 in SW. 1915 in S.</p> <p>From which a</p> <p>Palo verde 4 ins. dia., brs. N. $53\frac{1}{4}^\circ$ E., 87 lks. dist., mkd. T 16 S R 12 E S 4 B T.</p> <p>Mesquite 8 ins. dia., brs. S. $48\frac{1}{4}^\circ$ W., 129 lks. dist., mkd. T 16 S R 12 E S 8 B T.</p> <p>Palo verde 5 ins. dia., brs. N. $27\frac{1}{2}^\circ$ W., 113 lks. dist., mkd. T 16 S R 12 E S 5 B T.</p> <p>No other B. T. available.</p> <p>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.</p> <p>Land, rolling. Soil, 3rd rate. Timber, scattered mesquite and palo verde, 40.29 chs. Mesquite and palo verde brush and cactus, 40.29 chs.</p> <p>June 22, 1915. At this cor. I set off $23^\circ 27'$ N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is $32^\circ 4'$ which is the proper lat.</p>
	<p>Thence N. $89^\circ 57'$ E. on a true line bet. secs. 4 and 9.</p> <p>Over rolling land sloping gradually towards N., through scattered mesquite, palo verde and cactus.</p>
38.60	Wash, 20 lks. wide, course N.
39.94	The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 4 and 9.
	<p>Set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;">$\frac{1}{4}$ in W. S 4 in N. S 9 1915 in S.</p> <p>No suitable B. T.s available.</p> <p>Dig pits 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p>
69.70	Wash, 10 lks. wide, course N. 15° E.
71.20	Wash, 5 lks. wide, course N.
75.40	Wash, 30 lks. wide, course N.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

79.87 The cor. of secs. 3, 4, 9 and 10, previously described.
 Land, rolling.
 Soil, 3rd rate.
 Timber, scattered mesquite and palo verde, 79.87 chs.
 Mesquite and palo verde brush and cactus, 79.87 chs.

From the cor. of secs. 4, 5, 8 and 9, I run
 N. 0° 39' W. on a true line bet. secs. 4 and 5.
 Desc. gradually over rolling land, through scattered
 mesquite, palo verde and cactus.

36.40 Dim road, brs. N. 10° E. and S. 10° W.

40.26 The proportional point for the 1/4 sec. cor. bet. secs. 4 and 5.

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

1/4 in N.
 S 5 in W.
 S 4 in E.
 1915 in S.

From which a

Palo verde 4 ins. dia., brs. S. 29° W., 21 lks. dist., mkd. 1/4 S 5 B T.

Palo verde 4 ins. dia., brs. N. 31 1/4° W., 103 lks. dist., mkd. 1/4 S 5 B T.

90.36 The reestablished C. C. of secs. 4 and 5, on N. bdy. previously described.

Land, rolling.
 Soil, 3rd rate.
 Timber, scattered mesquite and palo verde, 90.36 chs.
 Mesquite and palo verde brush and cactus, 90.36 chs.

June 22, 1915.

June 23, 1915.. At 8h 0m a.m., l.m.t., I set off
 32° 1' on lat. arc, and 23° 27' N. on decl. arc,
 and determine a meridian with the solar at the
 cor. of secs. 29, 30, 31 and 32, on S. bdy. of
 Papago Indian Reservation, previously described.

Thence I run

N. 0° 25' W. on a true line bet, secs. 29 and 30.

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

11.50 Wash, 1 ch. wide, course NE.

15.30 Adobe house on line.

Bl...

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains	
19.50	Adobe house, 75 lks. E.
21.70	Road, brs. E. & W.
40.10	The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 29 and 30.
	Set an iron post 1 in. dia., stamped on cap
	$\frac{1}{4}$ in N. S 30 in W. S 29 in E. 1915 in S.
	From which a
	Mesquite 4 ins. dia., brs. N. $89\frac{1}{2}^\circ$ E., 54 lks. dist., mkd. $\frac{1}{4}$ S 29 B T.
	Mesquite 5 ins. dia., brs. N. $44\frac{1}{2}^\circ$ W., 84 lks. dist., mkd. $\frac{1}{4}$ S 30 B T.
73.50	Wash, 50 lks. wide, course NE.
80.21	The proportional point for the cor. of secs. 19, 20, 29 and 30.
	Set an iron post 2 ins. dia., stamped on cap
	T 16 S S 19 in NW. R 12 E S 20 in NE. S 29 in SE. S 30 in SW. 1915 in S.
	No 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.
	Land, rolling.
	Soil, 3rd rate.
	Timber, scattered mesquite and palo verde, 80.21 chs.
	Mesquite and palo verde brush and cactus, 80.21 chs.

	Thence N. $89^\circ 28'$ E. on a true line bet. secs. 20 and 29, W. $\frac{1}{4}$.
	Over rolling land, sloping gradually towards N., through scattered mesquite, palo verde and cactus.
3.40	Wash, 50 lks. wide, course NE.
11.80	Wash, 60 lks. wide, course N.
33.10	Wash, 40 lks. wide, course N.
40.45	The old $\frac{1}{4}$ sec. cor. bet. secs. 20 and 29, which is a post 3 ins. square, well set and plainly mkd. $\frac{1}{4}$ S on N. face.
	N. and alongside set an iron post 1 in. dia., stamped on cap

Resurvey of Subdivision lines in T. 16 S. R. 12 E.

Chains

1/4 in W.
S 20 in N.
S 29 1915 in S.

From which a

Mesquite 4 ins. dia., brs. N. 44 1/2° E., 53 lks. dist.,
mkd. 1/4 S 20 B T.

Mesquite 4 ins. dia., brs. S. 49 1/2° E., 122 lks. dist.,
mkd. 1/4 S 29 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 40.45 chs.

Mesquite and palo verde brush and cactus, 40.45 chs.

Thence S. 89° 48' E. on a true line bet secs. 20 and 29,
E. 1/4.

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

6.30 Junction of washes, 1 ch. wide, from S. and S. 30° W.

40.13 The cor. of secs. 20, 21, 28 and 29, previously
described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 40.13 chs.

Mesquite and palo verde brush and cactus, 40.13 chs.

June 23, 1915. At this cor. I set off 23° 27' N. on
decl. arc, and at apparent noon observe the sun on
the meridian. The resulting lat. is 32° 2' which
is the proper lat.

From the cor. of secs. 19, 20, 29 and 30, I run
N. 89° 58' W. on a true line bet. secs. 19 and 30.

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

19.10 Wash, 1 ch. wide, course N.

38.80 Wash, 15 lks. wide, course NE.

40.38 The proportional point for the 1/4 sec. cor. bet. secs.
19 and 30.

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

1/4 in W.
S 19 in N.
S 30 1915 in S.

From which a

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

Palo verde 7 ins. dia., brs. S. 25° W., 1.87 lks. dist.,
mkd. ¼ S 30 B T.

No other B. T. available.

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.

53.20 Wash, 60 lks. wide, course NE.

79.86 (39.48) The reestablished cor. of secs. 19, 24, 25 and
30, on W. bdy. of tp.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 79.86 chs.
Mesquite and palo verde brush and cactus, 79.86 chs.

From the cor. of secs. 19, 20, 29 and 30, I run
N. 0° 36' W. on a true line bet. secs. 19 and 20.

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

25.50 Bend of wash, 60 lks. wide, course N. 10° E., from
S. 10° E.

40.10 The proportional point for the ¼ sec. cor. bet.
secs. 19 and 20.

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

¼ in N.
S 19 in W.
S 20 in E.
1915 in S.

From which a

Palo verde 7 ins. dia., brs. N. 65¼° E., 41 lks. dist.,
mkd. ¼ S 20 B T.

Palo verde 10 ins. dia., brs. S. 66° 10' W., 193 lks. dist.,
mkd. ¼ S 19 B T.

48.90 Wash, 80 lks. wide, course N. 15° W.

70.00 Same wash, 80 lks. wide, course N. 15° E.

80.21 The proportional point for the cor. of secs. 17, 18,
19 and 20.

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

T 16 S S 18 in NW.
R 12 E S 17 in NE.
S 20 in SE.
S 19 in SW.
1915 in S.

POC 3127

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

From which a

Mesquite 6 ins. dia., N. 51 1/2° E., 133 lks. dist.,
mkd. T 16 S R 12 E S 17 B T.

Mesquite 7 ins. dia., brs. S. 44 3/4° E., 124 lks. dist.,
mkd. T 16 S R 12 E S 20 B T.

Mesquite 8 ins. dia., brs. S. 47 1/2° W., 105 lks. dist.,
mkd. T 16 S R 12 E S 19 B T.

Mesquite 6 ins. dia., brs. N. 17 3/4° W., 108 lks. dist.,
mkd. T 16 S R 12 E S 18 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.21 chs.

Mesquite and palo verde brush and cactus, 80.21 chs.

June 23, 1915.

June 24, 1915. At 8^h 0^m a.m., l.m.t., I set off
32° 2 1/2' on lat. arc, and 23° 16 1/2' N. on decl. arc,
and determine a meridian with the solar at the cor.
of secs. 17, 18, 19 and 20.

Thence -

N. 89° 27' E. on a true line bet. secs. 17 and 20.

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

5.00 Wash, 1 ch. wide, course N.

40.09 The proportional point for the 1/4 sec. cor. bet.
secs. 17 and 20.

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

1/4 in W.
S 17 in N.
S 20 1915 in S.

From which a

Mesquite 12 ins. dia., brs. N. 79° E., 67 lks. dist.,
mkd. 1/4 S 17 B T.

Palo verde 7 ins. dia., brs. S. 55 1/4° W., 49 lks. dist.,
mkd. 1/4 S 20 B T.

40.80 Wash, 1 ch. wide, course N.

60.70 Wash, 80 lks. wide, course N.

80.19 The cor. of secs. 16, 17, 20 and 21, previously
described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.19 chs.

Mesquite and palo verde brush and cactus, 80.19 chs.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

From the cor. of secs. 17, 18, 19 and 20, I run
N. 89° 54' W. on a true line bet. secs. 18 and 19.
Over rolling land, sloping towards N., through
scattered mesquite, palo verde and cactus.

19.10 Wash, 60 lks. wide, course N.

40.05 The reestablished point for the 1/4 sec. cor. bet.
secs. 18 and 19.

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

1/4 in W.
S 18 in N.
S 19 1915 in S.

From which the old B. T. a

Mesquite 15 ins. dia., brs. S. 32° E., 23 lks. dist.,
mkd. XIX.

New B. T.

Mesquite 6 ins. dia., brs. N. 48 1/2° W., 74 lks. dist.,
mkd. 1/4 S 18 B T.

Thence S. 89° 31' W. on a true line bet. secs.
18 and 19, W. 1/2.

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

2.80 Wash, 15 lks. wide, course NW.

28.40 Wash, 20 lks. wide, course NW.

33.70 Wash, 20 lks. wide, course N.

39.42 The cor. of secs. 13, 18, 19 and 24, on W. bdy. of
tp., previously described.

Land, rolling.
Soil, 3rd rate.
Timber, scattered mesquite and palo verde, 39.42 chs.
Mesquite and palo verde brush and cactus, 39.42 chs.

June 24, 1915. At this cor. I set off 23° 16' N. on
decl. arc, and at apparent noon observe the sun on
the meridian. The resulting lat. is 32° 2 1/2' which
is the proper lat.

From the cor. of secs. 17, 18, 19 and 20, I run
N. 0° 12' E. on a true line bet. secs. 17 and 18. .

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

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

40.10

The proportional point for the 1/4 sec. cor. bet. secs. 17 and 18.

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

1/4 in N.
S 18 in W.
S 17 in E.
1915 in S.

From which a

Mesquite 5 ins. dia., brs. N. 87 1/4° E., 172 lks. dist., mkd. 1/4 S 17 B T.

Palo verde 6 ins. dia., brs. N. 14° W., 125 lks. dist., mkd. 1/4 S 18 B T.

80.21

The reestablished point for the cor. of secs. 7, 8, 17 and 18.

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

T 16 S S 7 in NW.
R 12 E S 8 in NE.
S 17 in SE.
S 18 in SW.
1915 in S.

From which an old B. T. a

Mesquite 10 ins. dia., brs. N. 20° E., 55 lks. dist., mkd. VIII.

No other B. T.s available.

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

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.21 chs.
Mesquite and palo verde brush and cactus, 80.21 chs.

Thence N. 89° 44' E. on a true line bet. secs. 8 and 17.

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

12.90

Wash, 80 lks. wide, course N.

27.00

Wash, 60 lks. wide, course N.

40.32

The old 1/4 sec. cor. bet. secs. 8 and 17, which is a post 3 ins. square, well set and plainly mkd. 1/4 S on N. face.

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

1/4 in W.
S 8 in N.
S 17 1915 in S.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

From which a

Palo verde 6 ins. dia., brs. N. 44° E., 9 lks. dist.,
mkd. ¼ S 8 B T.

Palo verde 4 ins. dia., S. 45° W., 75 lks. dist.,
mkd. ¼ S 17 B T.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 40.32 chs.
Mesquite and palo verde brush and cactus, 40.32 chs.

Thence N. 89° 39' E. on a true line bet. secs. 8
and 17, E. ¼.

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

10.00 Wash, 40 lks. wide, course N.

19.50 Wash, 90 lks. wide, course N.

24.50 Wash, 10 lks. wide, course N. 15° W.

40.42 The cor. of secs. 8, 9, 16 and 17, previously
described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 40.42 chs.
Mesquite and palo verde brush and cactus, 40.42 chs.

From the cor. of secs. 7, 8, 17 and 18, I run
S. 89° 35' W. on a true line bet. secs. 7 and 18.

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

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

28.10 Wash, 1 ch. wide, course N.

31.50 Wash, 20 lks. wide, course N.

40.64 The proportional point for the ¼ sec. cor. bet.
secs. 7 and 18.

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

¼ in W.
8 7 in N.
8 18 1915 in S.

From which a

Palo verde 3 ins. dia., brs. N. 35° E., 35 lks. dist.,
mkd. ¼ S 7 B T.

Mesquite 6 ins. dia., brs. S. 32° E., 83 lks. dist.,
mkd. ¼ S 18 B T.

Resurvey of Subdivision lines in T. 16 S., R. 12 E.

Chains

78.30 Wash, 10 lks. wide, course N.

80.26 The cor. of secs. 7, 12, 13 and 18, on W. bdy. of tp., previously described.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.26 chs.

Mesquite and palo verde brush and cactus, 80.26 chs.

June 24, 1915.

June 25, 1915. At 8h 0^m a.m., l.m.t., I set off 32° 3' on lat. arc, and 23° 25½' N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 7, 8, 17 and 18, previously described.

Thence N. 0° 22' E. on a true line bet. secs. 7 and 8.

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

40.20 The proportional point for the ¼ sec. cor. bet. secs. 7 and 8.

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

¼ in N.
8 7 in W.
8 8 in E.
1915 in S.

From which a

Mesquite 10 ins. dia., brs. N. 67½° E., 103 lks. dist., mkd. ¼ S 8 B T.

Palo verde 10 ins. dia., brs. S. 7° W., 47 lks. dist., mkd. ¼ S 7 B T.

80.40 The proportional point for the cor. of secs. 5, 6, 7 and 8.

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

T 16 S S 6 in NW.
R 12 E S 5 in NE.
S 8 in SE.
S 7 in SW.
1915 in S.

No B. T.s available.

Dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist., and raise a mound of stone 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 80.40 chs.

Mesquite and palo verde brush and cactus, 80.40 chs.

Resurvey of Subdivision lines of T. 16 S., R. 12 W.

Chains

Thence N. 89° 45' E. on a true line bet. secs. 5 and 8.

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

20.90 Wash, 30 lks. wide, course N.

32.50 Wash, 20 lks. wide, course N.

39.92 The proportional point for the $\frac{1}{4}$ cor. of secs. 5 and 8.

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

$\frac{1}{4}$ in W.
S 5 in N.
S 8 1915 in S.

From which a

Palo verde 8 ins. dia., brs. S. 4° E., 59 lks. dist., mkd. $\frac{1}{4}$ S 8 B T.

Palo verde 5 ins. dia., brs. N. 50 $\frac{1}{2}$ ° W., 43 lks. dist., mkd. $\frac{1}{4}$ S 5 B T.

65.40 Wash, 40 lks. wide, course N.

68.00 Wash, 10 lks. wide, course N.

79.84 The cor. of secs. 4, 5, 8 and 9, previously described.

Land, level.

Soil, 3rd rate.

Timber, scattered mesquite and palo verde, 79.84 chs.

Mesquite and palo verde brush and cactus, 79.84 chs.

June 25, 1915. At this cor. I set off 23° 25' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 4' which is the proper lat.

From the cor. of secs. 5, 6, 7 and 8, I run

S. 89° 48' W. on a true line bet. secs. 6 and 7.

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

39.92 The proportional point for the $\frac{1}{4}$ sec. cor. bet. secs. 6 and 7.

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

$\frac{1}{4}$ in W.
S 6 in N.
S 7 1915 in S.

No B. T.s available.

Dig pits 18 x 18 x 12 ins. E. and W. of cor. 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

PC 224

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

47.90 Wash, 50 lks. wide, course N.
 55.50 Wash, 15 lks. wide, course N.
 59.40 Wash, 5 lks. wide, course N. 30° E.
 78.90 Wash, 10 lks. wide, course NW.
 79.90 (39.98) The cor. of secs. 1, 6, 7 and 12, on W.
 bdy. of tp.
 Land, rolling.
 Soil, 3rd rate.
 Timber, scattered mesquite and palo verde, 79.90 chs.
 Mesquite and palo verde brush and cactus, 79.90 chs.

From the cor. of secs. 5, 6, 7 and 8, I run
 N. 0° 41' W. on a true line bet. secs. 5 and 6.

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

40.20 The proportional point for the $\frac{1}{4}$ sec. cor. bet.
 secs. 5 and 6.

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

$\frac{1}{4}$ in N.
 S 6 in W.
 S 5 in E.
 1915 in S.

From which a

Mesquite 10 ins. dia., brs. S. 76 $\frac{1}{2}$ ° E., 123 lks. dist.,
 mkd. $\frac{1}{4}$ S 5 B T.

Palo verde 14 ins. dia., brs. S. 45° W., 222 lks. dist.,
 mkd. $\frac{1}{4}$ S 6 B T.

70.50 Road, brs. N. 60° E. and S. 60° W.

90.36 (50.16) The reestablished C. C. of secs. 5 and 6, on
 N. bdy. of tp., previously described.

Land, rolling.
 Soil, 3rd rate.
 Timber, mesquite and palo verde, 90.36 chs.
 Mesquite and palo verde brush and cactus, 90.36 chs.

June 25, 1915.

Resurvey of Subdivision lines of T. 16 S., R. 12 E.

Chains

GENERAL DESCRIPTION.

This township is mostly rolling land. The W. 1/2 sloping gradually towards N., while the E. 1/2 has a gradual slope towards NE.

In the S. 1/2 of sec. 29 there is Yellow Mountain, a spur from the Sierritas.

The soil is generally sandy loam, 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.

In sec. 29 there are several scattering Indian houses. Three of them have wells sunk in arroyo beds, to furnish water to their small herds of cattle, but during the latter part of July and August the supply is sometimes exhausted, forcing them to take up their residence in the Indian Village, near San Xavier Mission and driving their cattle into immediate valley of the Santa Cruz River.

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. 12 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.

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, _____, U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of _____

For certificate of assistants, 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 him, and under his direction; and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

Table with 3 columns: NAME, PERIOD OF SERVICE (BEGUN, ENDED), and CAPACITY. The table contains multiple empty rows for recording data.

Subscribed and certified to before me on the dates of the final service as shown above.

69

BOOK 342A

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 _____ }



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 survey of ^{re} subdivision lines in T. 16 S., R. 12 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, 1914**, 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. 12 E., Arizona**, has been correctly copied from the original notes on file in this office.

William Spry

~~U. S. Surveyor General~~

Commissioner of the General Land Office