

Book "B" (1)  
Duplicate

BOOK 3419

# FIELD NOTES

OF ~~THE SURVEY~~ THE

RESURVEY OF

East bdy. of	T. 15 S.,	R. 13 E.	
North "	" T. 15 S.,	R. 13 E.	
West "	" T. 15 S.,	R. 13 E.	
West "	" T. 15 S.,	R. 12 E.	
East "	" T. 16 S.,	R. 13 E.	
East "	" T. 17 S.,	R. 13 E.	(portion)
North "	" T. 17 S.,	R. 14 E.	(Portion)
South "	" T. 16 S.,	R. 13 E.	
South "	" T. 16 S.,	R. 12 E.	
East "	" T. 16 S.,	R. 11 E.	
East "	" T. 16 S.,	R. 12 E.	(Portion) Bet. secs. 31 and 36.

North bdy. of Papago Indian Reservation  
in T. 15 S., R. 12 E.

West bdy. of Papago Indian Reservation  
in T. 15 S., R. 11 E.

North bdy. of Papago Indian Reservation  
in T. 15 S., R. 11 E.

South bdy. of Papago Indian Reservation  
in T. 16 S., R. 11 E.

West bdy. of Papago Indian Reservation  
in T. 16 S., R. 11 E.

Of the Gila & Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Charles M. Leedy

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

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

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

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

Congress dated --191--

Survey commenced January 9, 1915

Survey completed July 15, 1915

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BOOK 3419

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Resurvey of

East Boundary T. 15 S., R. 13 E.

Chains

Survey commenced January 9, 1915, by Charles M. Leedy, U. S. Surveyor, and executed with a Young and Sorn's 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 three feet long, set 26 inches in the ground, filled with cement and fitted with brass caps. The posts at township and section corners are 3 inches in diameter and those at  $\frac{1}{4}$  and  $\frac{1}{16}$  section corners are  $\frac{1}{2}$  inch in diameter.

For Polaris observation see book "E", Page 1.

The SE. cor. of township is in latitude  $32^{\circ} 5' N.$ , Longitude  $110^{\circ} 58' W.$

January 9, 1915. At 8h a.m., l.m.t., I set off  $32^{\circ} 5'$  on lat. arc, and  $22^{\circ} 9' S.$  on decl. arc, and determine a meridian with the solar at the re-established S. C. T. 15 S., Rs. 13 and 14 E.

Thence N. on a random line bet. secs. 31 and 36.

- 20.00 Set temp. S.  $\frac{1}{16}$  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. N.  $\frac{1}{16}$  sec. cor. No trace of old cor. is found.
- 80.00 Set temp. cor. of secs. 25, 30, 31 and 36. No trace of old cor. is found.

Continue N. on a random line bet. secs. 25 and 30.

- 20.00 Set temp. S.  $\frac{1}{16}$  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. N.  $\frac{1}{16}$  sec. cor. No trace of old cor. is found.
- 80.00 Set temp. cor. of secs. 19, 24, 25 and 30. No trace of old cor. is found.

Continue N. on a random line bet. secs. 19 and 24.

- 20.00 Set temp. S.  $\frac{1}{16}$  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.

Resurvey of

East Boundary T. 15 S., R. 13 E.

Chains	
60.00	Set temp. N. 1/16 sec. cor. No trace of old cor. is found.
80.00	Set temp. cor. of secs. 13, 18, 19 and 24. No trace of old cor. is found.
-----	
Continue N. on a random line bet. secs. 13 and 18.	
40.00	Set temp. 1/4 sec. cor. No trace of old cor. is found.
80.00	Set temp. cor. of secs. 7, 12, 13 and 18. No trace of old cor. is found.
-----	
Continue N. on a random line bet. secs. 7 and 12,	
40.00	Set temp. 1/4 sec. cor. No trace of old cor. is found.
80.00	Set temp. cor. of secs. 1, 6, 7 and 12. No trace of old cor. is found.
-----	
Continue N. on a random line bet. secs. 1 and 6.	
40.00	Set temp. 1/4-sec. cor. No trace of old cor. is found.
82.58	Falls 1.26 chs. W. of the old cor. of Tps. 14 and 15 S., Rs. 13 and 14 E., which is a decayed mesquite post in center of slight elevation, (marks indistinct) with N. E. & W. pits plainly discernible. I dig into the mound and not only find evidences of decayed wood, but also a quantity of charred wood.
(Therefore, bearing from S C T. 15 S., Rs. 13 and 14 E. to cor. of tps. 14 and 15 S., Rs. 13 and 14 E. is N. 0° 9' E. and lengths of miles will be 80.43 chs.)	
Jan. 9, 1915.	
-----	
January 11, 1915. At 8h a.m., l.m.t., I set off 32° 5' on lat. arc, and 21° 52' S. on decl. arc, and determine a meridian with the solar at re-established S. C. of T. 15 S., Rs. 13 and 14 E.	
Thence N. 0° 9' E. on a true line bet. secs. 31 and 36, along E. bdy. P. I. R., over level cultivated land.	
5.30	Fence, brs. E. and W. Leave cultivated land.
Enter scattered mesquite timber and greasewood.	
9.10	Fence, brs. E. and W.

Resurvey of

East Boundary T 15 S., R. 13 E.

Chains

20.11

Proportional dist. for the S. 1/16 sec. cor. bet. secs. 31 and 36.

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

S 1/16 in N.  
S 36 P I R in W.  
S 31 in E.  
1915 in S.

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

40.21

Proportional distance for the 1/4 sec. cor. bet. secs. 31 and 36.

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

1/4 in N.  
S 36 P I R in W.  
S 31 in E.  
1915 in S.

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

43.60

Drain, course SE.

51.50

Road, brs. NW. & SE.

60.32

Proportional dist. for the N. 1/16 sec. cor. bet. secs. 31 and 36.

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

N 1/16 in N.  
S 36 P I R in W.  
S 31 in E.  
1915 in S.

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

80.43

Proportional dist. for the cor. of secs. 25, 30, 31 and 36.

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

T 15 S in N.  
R 13 E S 25 in NW.  
R 14 E S 30 in NE.  
S 31 in SE.  
S 36 in SW.  
P I R in W.  
1915 in S.

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, nearly level.

Soil, 1st rate 5.30 chs.; 3rd rate 75.13 chs.

Timber, scattering mesquite.

Greasewood brush 75.13 chs.

## Resurvey of

East Boundary T 15 S., R. 13 E.

## Chains

Continue N.  $0^{\circ} 9'$  E. on a true line bet. secs. 25 and 30, along E. bdy. P. I. R., over nearly level land, through scattering timber and dense greasewood brush.

20.11 Proportional dist. for the S.  $1/16$  sec. cor. bet. secs. 25 and 30.

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

S  $1/16$  in N.  
S 25 P I R in W.  
S 30 in E.  
1915 in S.

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, W. of cor.

40.21 Proportional dist. for the  $\frac{1}{4}$  sec. cor. bet. secs. 25 and 30.

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

$\frac{1}{4}$  in N.  
S 25 P I R in W.  
S 30 in E.  
1915 in S.

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, W. of cor.

52.00 Road, brs. NW. & SE.

60.32 Proportional dist. for the N.  $1/16$  sec. cor. bet. secs. 25 and 30.

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

N  $1/16$  in N.  
S 25 P I R in W.  
S 30 in W.  
1915 in S.

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, W. of cor.

80.43 Proportional dist. for the cor. of secs. 19, 24, 25 and 30.

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

T 15 S in N.  
R 13 E S 24 in NW.  
R 14 E S 19 in NE.  
S 25 in SW.  
S 30 in SE.

1915 in S.

P I R in W

From which a

Mesquite 8 ins. dia., brs. S.  $89\frac{1}{2}^{\circ}$  W., 30 lks. dist., mkd. T 15 S R 13 E S 25 B T.

(No other B. T.s available.)

Resurvey of

East Boundary T. 15 S., R. 13 E.

Chains

Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

Land, nearly level.  
Soil, 2nd and 3rd rate, gravelly.  
Timber, scattering mesquite.  
Dense greasewood brush 80.43 chs.

Continue N. 0° 9' E. on a true line bet. secs. 19 and 24, along E. bdy. P. I. R., over nearly level land, through scattering mesquite timber and dense greasewood brush.

20.11

Proportional dist. for the S. 1/16 sec. cor. bet. secs. 19 and 24.

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

S 1/16 in N.  
S 24 P I R in W.  
S 19 in E.  
1915 in S.

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

40.21

Proportional dist. for the 1/4 sec. cor. bet. secs. 19 and 24.

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

1/4 in N.  
S 24 P I R in W.  
S 19 in E.  
1915 in S.

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

60.32

Proportional dist. for the N. 1/16 sec. cor. bet. secs. 19 and 24.

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

N 1/16 in N.  
S 24 P I R in W.  
S 19 in E.  
1915 in S.

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

61.30

Leave scattering mesquite and greasewood, brs. N. 10° W. and S. 10° E.

70.00

Road, brs. N. 5° W. and S. 5° E.

76.50

Fence, brs. N. 5° W. and S. 5° E.



Resurvey of

East Boundary T. 15 S., R. 13 E.

Chains

80.43

Proportional dist. for the cor. of secs. 13, 18, 19 and 24.

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

- T 15 S 1 in N.
- R 13 E S 13 in NW.
- R 14 E S 18 in NE.
- S 19 in SE.
- S 24 NE. cor. P I R in SW.
- 1915 in S.

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, level.  
 Soil, 2nd rate, gravelly.  
 Timber, scattering mesquite 61.30 chs.  
 Greasewood brush, 61.30 chs.

January 11, 1915. At this cor. I set off 21° 52' S. on decl. arc, and at apparent noon observe the sun on the meridian, the resulting lat. is 32° 7 1/2' which is the proper lat.

It being necessary to temporarily reestablish the remaining portion of this R. line, in order to restore a portion of the subdivision of T. 15 S., R 13 E.

I therefore continue

N. 0° 9' E. on a blank line, bet. secs. 13 and 18.

40.21

Set temp. 1/4 sec. cor.

80.43

Set temp. cor. secs. 7, 12, 13 and 18.

Continue N. 0° 9' E. on a blank line bet. secs. 7 and 12.

40.21

Set temp. 1/4 sec. cor. bet. secs. 7 and 12. This location is midway between a depression brg. N. & S., the general appearance of which would suggest the probability of it being the old pits and mound for this 1/4 sec. cor.

80.43

Set temp. cor. of secs. 1, 6, 7 and 12.

Continue N. 0° 9' E. on a blank line bet. secs. 1 and 6.

40.21

Set temp. 1/4 sec. cor.

80.43

Intersect the old cor. of Tps. 14 and 15 S., Rs. 13 and 14 E., previously described.

Jan. 11, 1915.

Resurvey of

North Boundary T. 15 S., R. 13 E.

Chains	
	<p>January 12, 1915. At 8h a.m., l.m.t., I set off 32° 10' on lat. arc, and 21° 42' S. on decl. arc, and determine a meridian with the solar at the cor. of Tps. 14 and 15 S., Rs. 13 and 14 E.</p>
	<p>Thence I run W. on a random line bet. secs. 1 and 36.</p>
40.00	<p>Set temp. <math>\frac{1}{4}</math> sec. cor. No trace of old cor. is found.</p>
80.00	<p>Set temp. cor. of secs. 1, 2, 35 and 36. No trace of old cor. is found.</p>
-----	
	<p>Continue W. on a random line bet. secs. 2 and 35.</p>
40.00	<p>Set temp. <math>\frac{1}{4}</math> sec. cor. No trace of old cor. is found.</p>
80.00	<p>Set temp. cor. of secs. 2, 3, 34 and 35. No trace of old cor. is found.</p>
-----	
	<p>Continue W. on a random line bet. secs. 3 and 34.</p>
40.00	<p>Set temp. <math>\frac{1}{4}</math> sec. cor. No trace of old cor. is found.</p>
80.00	<p>Set temp. cor. of secs. 3, 4, 33 and 34. No trace of old cor. is found.</p>
-----	
	<p>Continue W. on a random line bet. secs. 4 and 33.</p>
40.00	<p>Set temp. <math>\frac{1}{4}</math> sec. cor. No trace of old cor. is found.</p>
80.00	<p>Set temp. cor. of secs. 4, 5, 32 and 33. No trace of old cor. is found.</p>
-----	
	<p>Continue W. on a random line bet. secs. 5 and 32.</p>
40.00	<p>Set temp. <math>\frac{1}{4}</math> sec. cor. No trace of old cor. is found.</p>
80.00	<p>Set temp. cor. of secs. 5, 6, 31 and 32. No trace of old cor. is found.</p>
-----	
	<p>Continue W. on a random line bet. secs. 6 and 31.</p>
40.00	<p>Set temp. <math>\frac{1}{4}</math> sec. cor. No trace of old cor. is found.</p>
80.46	<p>Falls 2.93 chs. N. of old cor. of tps. 14 and 15 S., Rs. 12 and 13 E., which is a malpais 8 x 8 x 6 ins. above ground, well set and plainly mkd. with 6 notches on N. E. S. &amp; W. faces, and with mound of stone S.</p>
	<p>(Therefore the bearing from this cor. to the cor. of tps. 14 and 15 S., R. 13 and 14 E., will be N. 89° 39' E., and the lengths of the miles will be 80.16; with the exception of the line bet. secs. 6 and 31, which will be 79.66 chs.)</p>

Resurvey of  
North Boundary T. 15 S., R. 13 E.

Chairs

January 12, 1915. At this cor. I set off  $21^{\circ} 43'$  on decl. arc, and at apparent noon I observe the sun on the meridian. The resulting lat. is  $32^{\circ} 10'$  which is the proper lat.

(N. B.) Since it is necessary to only temporarily reestablish this line, in order to restore a portion of the Subdivision of T. 15 S., R. 13 E.,

Therefore, I run

N.  $89^{\circ} 39'$  E. on a blank line bet. secs. 6 and 31.

79.66

Set temp. cor. of secs. 5, 6, 31 and 32.

Continue N.  $89^{\circ} 39'$  E. on a blank line bet. secs. 5 and 32.

80.16

Set temp. cor. of secs. 4, 5, 32 and 33.

Continue N.  $89^{\circ} 39'$  E. on a blank line bet. secs. 4 and 33.

80.16

Set temp. cor. of secs. 3, 4, 33 and 34.

Continue N.  $89^{\circ} 39'$  E. on a blank line bet. secs. 3 and 34.

80.16

Set temp. cor. of secs. 2, 3, 34 and 35.

Continue N.  $89^{\circ} 39'$  E. on a blank line bet. secs. 2 and 35.

80.16

Set temp. cor. of secs. 1, 2, 35 and 36.

Continue N.  $89^{\circ} 39'$  E. on a blank line bet. secs. 1 and 36.

80.16

Intersect the cor. of tps. 14 and 15 S., Rs. 13 and 14 E.

January 12, 1915.

Resurvey of  
West Boundary T. 15 S., R. 13 E.

Chairs.

January 14, 1915. At 8h a.m., l.m.t., I set off  $32^{\circ} 10'$  on lat. arc, and  $21^{\circ} 22'$  S. on decl. arc, and determine a meridian with the solar at the cor. of tps. 14 and 15 S., Rs. 12 and 13 E., previously described.

Thence I run

S. on a random line bet. secs. 1 and 6.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.04 Falls 40 lks. W. of old cor. of secs. 1, 6, 7 and 12, which is a malpais 18 x 10 x 6 ins. in a mound of stones, with

1 notch on N.  
5 notches on S.

Thence I run

N.  $0^{\circ} 17'$  W. on a true line bet. secs. 1 and 6.

Asc. over broken rolling land, through cactus, scattering palo verde and greasewood.

2.00 Top of ascent, brs. E. & W. Desc.

7.00 Foot of descent, brs. E. & W. Begin ascent.

13.00 Top of ascent, brs. E. & W. Thence across level.

15.00 Begin steep descent, brs. E. & W.

19.00 Foot of steep descent, brs. E. & W. Thence gradual descent.

31.10 Wash, 20 lks. wide, course W.

Foot of descent, thence over rolling land.

39.89 Falls 10 lks. E. of malpais 8 x 10 x 6 ins. above ground, well set, in mound of stone to the W., and plainly mkd.  $\frac{1}{4}$  on W. face.

N. B. This undoubtedly is the old  $\frac{1}{4}$  cor. but notes of the old survey call for post with pits and mounds, which would be very impracticable and almost impossible to set in this rocky ground.

40.02 Proportional dist. for the  $\frac{1}{4}$  sec. cor. if established on a line midway bet. sec. cor.

72.00 Road, brs. N.  $30^{\circ}$  E. and S.  $30^{\circ}$  W.

80.04 Intersect the cor. of tps. 14 and 15 S., Rs. 12 and 13 E., previously described.

Land, rough and rolling.  
Soil, rocky, 4th rate.  
Timber, scattering palo verde; greasewood brush and cactus 80.04 chs.

Returning to the cor. of secs. 1, 6, 7 and 12.

## Resurvey of

West Boundary T. 15 S., R. 13 E.

## Chains

Thence S. on a random line

39.95 Falls 66 lks. E. of the old  $\frac{1}{4}$  sec. cor., which is a malpais 16 x 10 x 5 ins. in a mound of stone, and plainly mkd.  $\frac{1}{4}$  on W. face.

Thence I run

N.  $0^{\circ} 57'$  E. on a true line bet. secs. 7 and 12.

Over broken rolling land, through scattering palo verde, cactus and greasewood.

33.00 Begin steep ascent of rocky S. slope.

39.96 Intersect the cor. of secs. 1, 6, 7 and 12, previously described.

Land, broken and rolling.

Soil, rocky 3rd rate.

Timber, scattering palo verde; cactus and greasewood brush.

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Returning to  $\frac{1}{4}$  sec. cor. of secs. 7 and 12.

Thence S. on a random line.

40.12 Falls 33 lks. E. of the old cor. of secs. 7, 12, 13 and 18, which is a malpais 8 x 8 x 6 ins. above ground, firmly set and plainly mkd.

2 mothes on N.

4 mothes on S.

( I build a mound of stone to W.)

Thence I run

N.  $0^{\circ} 28'$  E. on a random line bet. secs. 7 and 12.

Over rolling land, through scattering palo verde, cactus and greasewood, ascending.

5.60 Dim road, brs. E. & W.

27.50 Top of ascent, small ridge, brs. E. & W. Desc.

40.12 Intersect the  $\frac{1}{4}$  sec. cor. bet. secs. 7 and 12, previously described.

Land, rolling.

Soil, stony 4th rate.

Timber, scattering palo verde, cactus and greasewood.

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January 14, 1915. At this cor. I set off  $21^{\circ} 22'$  S. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is  $32^{\circ} 9'$  which is within  $1'$  of the proper lat.

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Returning to the cor. of secs. 7, 12, 13 and 18 -

Resurvey of  
West Boundary T 15 S., R. 13 E.

Chains	<p>Thence I run</p> <p>S. on a random line bet. secs. 13 and 18.</p> <p>40.00 Set temp. <math>\frac{1}{4}</math> sec. cor. No trace of old cor. is found.</p> <p>80.00 Set temp. cor. of secs. 13, 18, 19 and 24. No trace of old cor. is found.</p>
	<p>-----</p> <p>Continue S. on a random line bet. secs. 19 and 24.</p> <p>40.00 Set temp. <math>\frac{1}{4}</math> sec. cor. No trace of old cor. is found.</p> <p>80.00 Set temp. cor. of secs. 19, 24, 25 and 30. No trace of old cor. is found.</p>
	<p>-----</p> <p>Continue S. on a random line bet. secs. 25 and 30.</p> <p>40.00 Set temp. <math>\frac{1}{4}</math> sec. cor. No trace of old cor. is found.</p> <p>80.00 Set temp cor. of secs. 25, 30, 31 and 36. No trace of old cor. is found.</p> <p style="text-align: right;">January 14, 1915.</p>
	<p>-----</p> <p>January 15, 1915. At 8h a.m., l.m.t., I set off <math>32^{\circ} 6'</math> on lat. arc, and <math>21^{\circ} 12'</math> S. on decl. arc, and determine a meridian with the solar at the temp. cor. of secs. 25, 30, 31 and 36.</p> <p>Thence S. on a random line bet. secs. 31 and 36.</p> <p>40.00 Set temp. <math>\frac{1}{4}</math> sec. cor. No signs of old cor. found.</p> <p>83.40 Fall 2.54 chs. E. of S. C. of Tps. 15 and 16 S., Rs. 12 and 13 E., previously described.</p> <p>(Therefore, bearing from Standard township cor. to the cor. of secs. 7, 12, 13 and 18, will be N. <math>0^{\circ} 27'</math> E.: and lengths of mile 80.85 chs.)</p> <p>Thence I run</p> <p>N. <math>0^{\circ} 27'</math> E. on a true line bet. secs. 31 and 36.</p> <p>Asc. steep SE. slope, through giant cacti and scattering palo verde.</p> <p>15.00 Top of ascent, brs. NE. &amp; SW. Begin abrupt descent of NW. slope.</p> <p>32.00 Foot of descent. Drain, course SW.</p> <p>Begin ascent SE. slope.</p> <p>40.42 Proportional dist. for the <math>\frac{1}{4}</math> sec. cor. bet. secs. 31 and 36.</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="text-align: center;"> <math>\frac{1}{4}</math> in N.        S 36 in W.        S 31 in E.        1915 in S.     </p>

Resurvey of  
West Boundary T. 15 S., R. 13 E.

Chai ns	
	Raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
44.90	Top of ascent, brs. E. & W. Desc.
52.70	Foot of descent; head of canyon, course N. 60° W. Ascend.
61.40	Top of ascent, brs. E. & W. Thence desc. along NW. slope.
80.85	Proportional dist. for the cor. of secs. 25, 30, 31 and 36.  Set an iron post 3 ins. dia., stamped on cap  T 15 S in N. R 12 E S 25 in NW. R 13 E S 30 in E. S 31 in SE. S 36 in SW. 1915 in S.  Raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.  Land, mountainous. Soil, rocky 4th rate. Timber, scattering palo verde, giant cacti 80.85 chs.
<hr style="border-top: 1px dashed black;"/>	
	Continue N. 0° 27' E. on a true line bet. secs. 25 and 30.
	Desc. NW. slope, through scattering palo verde, giant cacti and greasewood.
20.00	Begin descent of N. slope.
40.42	Proportional dist. for the ¼ sec. cor. bet. secs. 25 and 30.  Set an iron post 1 in. dia., stamped on cap  ¼ in N. S 25 in W. S 30 in E. 1915 in S.  Raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
47.50	Foot of descent, brs. E. & W. Thence nearly level. Also leave scattering Palo verde and giant cacti, bearing E. & W.
64.00	Road, brs. NE. & SW.
80.85	Proportional dist. for the cor. of secs. 19, 24, 25 and 30.  Set an iron post 3 ins. dia., stamped on cap  T 15 S in N. R 12 E S 24 in NW. R 13 E S 19 in NE.

Resurvey of

West Boundary T. 15 S., R. 13 E.

Chains

S 30 in SE.  
S 25 in SW.  
P I R 1915 in S.

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, mountainous 47.50 chs.; level 33 .35 chs.  
Timber, scattering palo verde, 47.50 chs.; giant  
cacti 47.50 chs.; greasewood 80.85 chs.

January 15, 1915. At this cor. I set off 21° 12' S.  
on decl. arc, and at apparent noon observe the sun  
on the meridian. The resulting lat. is 32° 7'  
which is the proper lat.

To reestablish temp. cor. secs. on this line for use  
in restoration of subdivision within T. 15 S., R.  
13 E.,

I continue

N. 0° 27' E. on a blank line bet. secs. 19 and 24.

Over level land, through greasewood.

40.42 Point for 1/4 sec. cor. by proportional dist.

70.90 Road, brs. E. & W.

80.85 Set temp. cor. of secs. 13, 18, 19 and 24. (Point by  
proportional dist.)

Land, level.  
Soil, 2nd rate.  
No timber.  
Greasewood, 80.85 chs.

Continue N. 0° 27' E. on a blank line bet. secs.  
13 and 18.

Over level land, through greasewood.

25.40 Road, brs. E. & W.

32.30 Road, brs. E. & W.

40.42 Point for 1/4 sec. cor. by proportional dist.

56.30 Road, brs. NW. & SE.

59.80 Road, brs. E. & W. Also enter scattering mesquite  
and palo verde.

80.85 Intersect old cor. of secs. 7, 12, 15 and 18, previously  
described.

Land, level.  
Soil, 2nd rate.  
No timber.  
Scattering mesquite and Palo verde 21.05 chs.;  
greasewood 80.85 chs.

January 15, 1915.



Resurvey of  
West Boundary T. 15 S., R. 12 E.

Chains.

July 7, 1915. At 9h a. m., l.m.t., I set off  $32^{\circ} 5'$  on lat. arc, and  $22^{\circ} 40'$  N. on decl. arc, and determine a meridian with the solar at the S. C. of T. 15 S., Rs. 11 and 12 E.

Thence N. on a random line bet. secs. 31 and 36.

40.18

Falls 2 lks. E. of the old  $\frac{1}{4}$  sec. cor. bet. secs. 31 and 36.

Returning to the S. C. of T. 15 S., R. 11 and 12 E.

Thence I run

N.  $0^{\circ} 2'$  W. on a true line bet. secs. 31 and 36.

Over level land, gradually descending.

Through mesquite and palo verde; cactus, mesquite and palo verde brush.

40.18

Intersect the old  $\frac{1}{4}$  sec. cor. bet. secs. 31 and 36, which is a mesquite post 3 ins. square, well set and plainly mkd. " $\frac{1}{4}$  S."

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

$\frac{1}{4}$  in N.  
S 36 in W.  
S 31 in E.  
1915 in S.

From which the old B. T.

Mesquite 15 ins. dia., brs. N.  $21\frac{1}{2}^{\circ}$  W. .66 chs. dist., mkd.  $\frac{1}{4}$  S B T.

No other 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, W. of cor.

Land, nearly level.

Soil, 2nd rate, sandy.

Timber, mesquite and palo verde 40.18 chs.

cactus, mesquite and palo verde brush, 40.18 chs.

Thence N. on a random line bet. secs. 31 and 36.

40.00

Set temp. cor. of secs. 25, 30, 31 and 36. No trace of old cor. is found.

Continue N. on a random line bet. secs. 25 and 30.

40.00

Set temp.  $\frac{1}{4}$  sec. cor. Find old cor. (post) lying loose, on top of ground in vicinity.

80.78

Falls 1.79 chs. E. of the old cor. of secs. 19, 24, 25 and 30.

Resurvey of  
West Boundary T. 15 S., R. 12 E.

Chains

(Therefore, bearing from the  $\frac{1}{4}$  sec. cor. bet. secs. 31 and 36 to the cor. of secs. 19, 24, 25 and 30, will be N.  $0^{\circ} 51'$  W.; and length of miles = 80.52 chs.

July 7, 1915. At this cor. I set off  $22^{\circ} 39\frac{1}{2}'$  N. on decl arc, and at apparent noon, observe the sun on the meridian; the resulting lat. is  $32^{\circ} 7'$  which is the proper lat.

Returning to the  $\frac{1}{4}$  sec. cor. bet. secs. 31 and 36.

Thence I run

N.  $0^{\circ} 51'$  W. on a true line bet. secs. 31 and 36.

Over nearly level land, gradually descending, through mesquite, palo verde timber; cactus, mesquite and palo verde brush.

12.60 Wash, 20 lks. wide, course NW.

40.26 Proportional dist for the cor. of secs. 25, 30, 31 and 36.

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

- T 15 S in N.
- R 11 E S 25 in NW.
- R 12 E S 30 in NE.
- S 31 in SE.
- S 36 in SW.
- 1915 in S.

From which a

Palo verde 8 ins. dia., brs. N.  $5\frac{1}{2}^{\circ}$  E., 123 lks. dist., mkd. T 15 S R 12 E S 30 B. T.

Palo verde 6 ins. dia., brs. S.  $19\frac{1}{2}^{\circ}$  E., 119 lks. dist.; mkd. T 15 S R 12 E S 31 B T.

Mesquite 8 ins. dia., brs. S.  $38\frac{1}{2}^{\circ}$  W., 182 lks. dist., mkd. T 15 S R 11 E S 36 B T.

Palo verde 8 ins. dia., brs. N.  $72^{\circ}$  W., 51 lks. dist., mkd. T 15 S R 11 E S 25 B T.

Land, nearly level.

Soil, 2nd rate and sandy.

Timber, mesquite and palo verde 40.26 chs.

Cactus, mesquite and palo verde brush 40.26 chs.

Continue N.  $0^{\circ} 51'$  W. on a true line bet. secs. 25 and 30.

Desc. gradually over nearly level land, through mesquite and palo verde timber: cactus, mesquite, and palo verde brush.

22.00 Wash, 20 lks. wide, course N.  $30^{\circ}$  W.

24.00 Road, brs. E. & W.

Resurvey of

West Boundary T. 15 S., R. 12 E.

Chains

40.26

Proportional dist. for the  $\frac{1}{4}$  sec. cor. bet. secs. 25 and 30.

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

$\frac{1}{4}$  in N.  
S 25 in W.  
S 30 in E.  
1915 in S.

No suitable bearing trees.

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, W. of cor.

80.52

Intersect old cor. of secs. 19, 24, 25 and 30, which is a mesquite post 4 ins. square, well set and plainly mkd.,

T XV S S XIX on NE.  
R XII E S XXX on SE.  
R XI E S XXV on SW.  
S XXIV on NW.

This post is N. and alongside of a malpais 8 x 10 x 10 ins. above ground, well set and plainly mkd.,

2 notches on S.  
4 notches on N.

(N. B. The post is Chillson's of 1888, and the stone is Roskruge of 1887.)

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

T 15 S on N.  
R 11 E S 24 on NW.  
R 12 E S 19 on NE.  
S 30 on SE.  
S 25 in SW.  
P I R 1915 in S.

No suitable 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, level.

Soil, 2nd rate and sandy.

Timber, mesquite and palo verde 80.52 chs.

Cactus, mesquite and palo verde brush 80.52 chs.

July 7, 1915.

Resurvey of  
East Boundary T. 16 S., R. 13 E.

Chains

April 19, 1915. At 8h a.m., l.m.t., I set off 32° 5' on lat. arc, and 10° 57' N. on decl. arc, and determine a meridian with the solar at the point for the C. C. of T. 16 S., Rs. 13 and 14 E., as established from the stumps of the old B. T.s (standing about 5 ft. high) plainly mkd. as described, which are

Mesquite 14 ins. dia., brs. S. 9° W., 107 lks. dist.

Mesquite 14 ins. dia., brs. S. 17½° W., 68 lks. dist.

Mesquite 16 ins. dia., brs. S. 14° E., 63 lks. dist.

From this reestablished point I run

S. on a random line bet. secs. 1 and 6.

29.70 Set temp. N. 1/16 sec. cor. No trace of old cor. is found.

49.70 Set temp. ¼ sec. cor. No trace of old cor. is found.

69.70 Set temp. S. 1/16 sec. cor. No trace of old cor. is found.

90.06 Falls 18 lks. E. of the old cor. of secs. 1, 6, 7 and 12, which is a mesquite post 4 ins. square, well set and plainly mkd.,

T XVI S VI on NE.  
R XIV E VII on SE.  
R XIII E XII on SW.  
P R I on NW.

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

T 16 S on N.  
R 13 E S 1 in NW.  
R 14 E S 6 in NE.  
S 7 in SE.  
S 12 in SW.  
1914 in S.  
P I R in W.

From which the old B. T.s are -

Mesquite 8 ins. dia., brs. S. 78° E., 24 lks. dist.

Mesquite 10 ins. dia., brs. S. 3½° W., 53 lks. dist.

Mesquite 8 ins. dia., brs. S. 58° W., 39 lks. dist.

Mesquite 4 ins. dia., brs. N. 87½° W., 116 lks. dist.

This cor. is at the cor. of fences bearing N., S. & E.

Thence I run

N. 0° 7' E. on a true line bet. secs. 1 and 6, along R. bdy. P. I. R., over level bottom land along fence, through dense mesquite timber and thick brush.

20.08 Proportional dist. for the S. 1/16 sec. cor. bet. secs. 1 and 6.

Resurvey of  
East Boundary T.16 S., R. 13 E.

Chains

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

S 1/16 in N.  
S 1 P I R in W.  
S 6 in E.  
1915 in S.

From which a

Mesquite 6 ins. dia., brs. N. 40 1/2° E., 35 lks. dist.,  
mkd. S 1/16 S 6 B T.

Mesquite 10 ins. dia., brs. N. 62 1/2° W., 24 lks. dist.,  
mkd. S 1/16 S 1 P I R B T.

21.40 Arroyo, 20 lks. wide, 4 ft. deep, course NW.

40.16 Proportional dist. for the 1/4 sec. cor. bet. secs.  
1 and 6.

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

1/4 in N.  
S 1 P I R in W.  
S 6 in E.  
1915 in S.

From which a

Mesquite 5 ins. dia., brs. N. 50 1/2° E., 43 lks. dist.,  
mkd. 1/4 S 6 B T.

Hackberry 8 ins. dia., brs. S. 64° W., 40 lks. dist.;  
mkd. 1/4 S 1 P I R B T.

60.24 Proportional dist. for the N. 1/16 sec. cor. bet.  
secs. 1 and 6.

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

N 1/16 in N.  
S 1 P I R in W.  
S 6 in E.  
1915 in S.

From which

Mesquite 8 ins. dia., brs. N. 11 1/2° E. .04 chs. dist.,  
mkd. N 1/16 S 6 B T.

Mesquite 6 ins. dia., brs. S. 63 1/2° W., .77 chs. dist.,  
mkd. N 1/16 S 1 P I R B T.

76.70 Fence, brs. E. and N. 5° W.

Leave timber bearing E. & W. Enter cultivated field.

89.27 Intersect the 3rd Standard Parallel S. at a point 2.62  
chs., N. 89° 59' W. from reestablished S. C. T. 15 S.,  
Rs. 13 and 14 E.

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

Resurvey of  
East Boundary T. 16 S., R. 13 E.

Chairs

T 16 S R 13 E S 36.1 in N.  
S 1 R 13 E 1 in SW.  
S 6 R 14 E in SE.  
T 16 S C C 1915 in S.  
P I R in W.

From which I take new trees as follows -

Mesquite 15 ins. dia., brs. S. 14 1/2° E., 42 lks. dist.,  
mkd. T 16 S R 14 E S 6 C C B T.

Mesquite 16 ins. dia., brs. S. 62 1/2° W., 76 lks. dist.,  
mkd. T 16 S R 13 E S 1 P I R C C B T.

90.06

Intersect the point for old C. C. as established  
from B. T.s previously described.

Land, level bottom.  
Soil, 1st rate.  
Timber, mesquite 89.27.  
Thick mesquite brush and cat claw 89.27 chs.

Returning to the cor. of secs. 1, 6, 7 and 12.

Thence S. on a random line

20.00

Set temp. N. 1/16 sec. cor. No trace of old cor. found.

40.00

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

60.00

Set temp. S. 1/16 sec. cor. No trace of old cor. is  
found.

79.54

Falls 53 lks. E. of the old cor. of secs. 7, 12, 13  
and 18.

Returning to the cor. of secs. 1, 6, 7 and 12.

Thence I run

S. 0° 23' W. on a true line bet. secs. 7 and 12.

Over level bottom land, along E. bdy. P. I. R.,  
through dense mesquite timber, mesquite brush  
and cat claw.

Along fence line.

19.88

Proportional dist. for the N. 1/16 sec. cor. bet.  
secs. 7 and 12.

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

N 1/16 in N.  
S 12 P I R in W.  
S 7 in E.  
1915 in S.

From which a

Mesquite 8 ins. dia., brs. S. 73° E., 39 lks. dist.,  
mkd. N 1/16 S 7 B T.

Mesquite 16 ins. dia., brs. N. 85° W., 40 lks. dist.,  
mkd. N 1/16 S 12 P I R B T.

Resurvey of  
East Boundary T 16 S., R. 13 E.

Chains

37.50

Fence cor., brs. N., S. & E.

39.77

Proportional dist. for the  $\frac{1}{4}$  sec. cor. bet. secs.  
7 and 12.

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

$\frac{1}{4}$  in N.  
S 12 P I R in W.  
S 7 in E.  
1915 in S.

From which a

Mesquite 36 ins. dia., brs. N. 59° E., 19 lks. dist.,  
mkd.  $\frac{1}{4}$  S 7 B T.

Mesquite 10 ins. dia., brs. S. 67 $\frac{1}{2}$ ° W., 33 lks. dist.,  
mkd.  $\frac{1}{4}$  S 12 P I R B T.

April 19, 1915. At this cor. I set off 11° 0' 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.

59.65

Proportional dist. for the S. 1/16 sec. cor. bet.  
secs. 7 and 12.

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

S 1/16 in N.  
S 12 P I R in W.  
S 7 in E.  
1915 in S.

From which a

Mesquite 8 ins. dia., brs. S. 53 $\frac{1}{2}$ ° E., 53 lks. dist.,  
mkd. S 1/16 S 7 B T.

Mesquite 32 ins. dia., brs. N. 15 $\frac{1}{2}$ ° W., 32 lks. dist.,  
mkd. S 1/16 S 12 P I R B T.

79.54

Intersect the old cor. of secs. 7, 12, 13 and 18,  
which is a mesquite post 4 ins. square, well set  
and plainly mkd. -

T XVI S VII on NE.  
R XIV E XVIII on SE.  
R XIII E XIII on SW.  
P R XII on NW.

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

T 16 S in N.  
R 13 E S 12 in NW.  
R 14 E S 7 in NE.  
S 18 in SE.  
S 13 in SW.  
P I R in W.  
1915 in S.

From which the old B. T.s are -

Mesquite 20 ins. dia., brs. S. 29° E., 26 lks. dist.

Mesquite 15 ins. dia., brs. S. 32 $\frac{1}{2}$ ° W., 43 lks. dist.

Resurvey of

East Boundary T. 16 S., R. 13 E.

Chains

The old NE. & NW. trees are destroyed and no other suitable 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, level bottom.

Soil, 1st rate.

Timber, mesquite 79.54 chs.

Mesquite brush and cat claw 79.54 chs.

20.00

Thence S. on a random line bet. secs. 13 and 18.

Set temp. N. 1/16 sec. cor. No trace of old cor. is found.

39.96

Falls 5 lks. E. of old 1/4 sec. cor., bet. secs. 13 and 18, as described.

Returning to the cor. of secs. 7, 12, 13 and 18,

Thence I run

S. 0° 4' W. on a true line bet. secs. 13 and 18, along E. bdy. P I R.

Over level bottom land, through dense mesquite timber, mesquite brush and cat claw, along fence.

19.98

Proportional dist. for the N. 1/16 sec. cor. bet. secs. 13 and 18.

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

N 1/16 in N.  
S 13 P I R in W.  
S 18 in E.  
1915 in S.

From which a

Mesquite 16 ins. dia., brs. N. 64° E., 14 lks. dist., mkd. N 1/16 S 18 B T.

Mesquite 8 ins. dia., brs. S. 26° W., 41 lks. dist., mkd. N 1/16 S 13 P I R B T.

39.96

Intersect old 1/4 sec. cor. bet. secs. 13 and 18, which is a mesquite post 3 ins. square, well set and plainly mkd. 1/4 on W. face.

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

1/4 in N.  
S 13 P I R in W.  
S 18 in E.  
1915 in S.

From which the old B. T. mkd. as described is a

Mesquite 48 ins. dia., brs., S. 58° E. 21 lks. dist.

Other old tree destroyed.



Resurvey of  
East Boundary T. 16 S., R. 13 E.

Chains

I take a  
Mesquite 24 ins. dia., brs. N. 27½° W., 45 lks. dist.,  
mkd. ¼ S 13 P I R B T.  
Land, level bottom.  
Soil, 1st rate.  
Timber, mesquite 39.96 chs.  
Mesquite brush and cat claw, 39.96 chs.

19.97 Continue S. on a random line bet. secs. 13 and 18, S½.  
Fall 3 lks. E. of old S. 1/16 sec. cor.

Returning to the ¼ sec. cor. bet. secs. 13 and 18.

Thence I run

S. 0° 5' W. on a true line bet. secs. 13 and 18,  
along E. bdy. P I R, through dense mesquite,  
mesquite brush and cat claw, along fence.

19.97 Intersect the old S. 1/16 sec. cor. bet. secs. 13  
and 18, which is a mesquite post 3 ins. square,  
well set and plainly mkd. 1/16.

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

S 1/16 in N.  
S 13 P I R in W.  
S 18 in E.  
1915 in S.

From which the old B. T. mkd. as described is

Mesquite 20 ins. dia., brs. S. 50° E., 9 lks. dist.

I take a new tree

Mesquite 12 ins. dia., brs. S. 76° W., 59 lks. dist.,  
mkd. S 1/16 S 13 P I R B T.

Land, level bottom.  
Soil, 1st rate.  
Timber, mesquite 19.97 chs.  
Mesquite brush and cat claw, 19.97 chs.

19.99 Continue S. on a random line bet. secs. 13 and 18.

19.99 Intersect old cor. of secs. 13, 18, 19 and 24.

Returning to the S. 1/16 sec. cor. bet. secs. 13 and 18.

Thence I run

S. on a true line bet. secs. 13 and 18, along E. bdy.  
P. I. R., through dense mesquite, mesquite brush and  
cat claw, along fence.

19.99 Intersect old cor. of secs. 13, 18, 19 and 24, which  
is a mesquite post 4 ins, square, well set and  
plainly mkd. -

Resurvey of  
East Boundary T. 16 S., R. 13 E.

Chains

T XVI S XVIII on NE.  
R XIV E XIX on SE.  
R XIII E XXIV on SW.  
P R XIII on NW.

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

T 16 S in N.  
R 13 E S 13 in NW.  
R 14 E S 18 in NE.  
S 19 in SE.  
S 24 in SW.  
P I R in W.  
1915 in S.

From which the old B. T.s mkd as described are -

Mesquite 18 ins. dia., brs. N. 45½° E., 25 lks. dist.

Mesquite 15 ins. dia., brs. S. 28½° W., 35 lks. dist.

Other old B. T.'s are destroyed.

I take a

Mesquite 36 ins. dia., brs. S. 48½° E., 81 lks. dist.,  
mkd. T 16 S R 14 E S 19 P I R B T.

No tree available in NW. quadrant.

Dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist.;  
and raise a mound of earth 4 ft. base, 1½ ft. high,  
W. of cor.

Land, level bottom.

Soil, 1st rate.

Timber, mesquite 19.99 chs.

Mesquite brush and cat claw 19.99 chs.

April 19, 1915.

April 20, 1915. At 8h a.m., l.m.t., I set off 32° 24'  
on lat. arc, and 11° 18' N. on decl arc, and determine  
a meridian with the solar at the cor of secs. 13, 18,  
19 and 24.

Thence S. on a random line bet. secs. 19 and 24.

20.00

Set temp. N. 1/16 sec. cor. No trace of old cor. is  
found.

39.98

Falls 5 lks. E. of the point for the ¼ sec. cor. as  
established from stumps of old B. T.s

Returning to the cor. of secs. 13, 18, 19 and 24.

Thence I run

S. 0° 4' W. on a true line bet. secs. 19 and 24,  
along E. bdy. P. I. R., through dense mesquite  
timber, mesquite brush and cat claw, along fence.

Resurvey of  
East Boundary T. 16 S., R. 13 E.

Chains	
19.99	<p>Proportional dist. for the N. 1/16 sec. cor. bet. secs. 19 and 24.</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;">N 1/16 in N. S 24 P I R in W. S 19 in E. 1915 in S.</p> <p>From which a</p> <p>Mesquite 10 ins. dia., brs. S. 35½° W., 76 lks. dist., mkd. N 1/16 S 24 P I R B T.</p> <p>Mesquite 8 ins. dia., brs. N. 46¾° W., 46 lks. dist., mkd. N 1/16 S 19 B T.</p>
39.98	<p>Intersect point for the ¼ sec. cor. bet. secs. 19 and 24, as established from stumps of old B. T.s</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;">¼ in N. S 24 P I R in W. S 19 in E. 1915 in S.</p> <p>From which the old stumps about 4 ins. above ground, are</p> <p>Mesquite 10 ins. dia., brs. <sup>S.</sup> 36½° E., 26 lks. dist.</p> <p>Mesquite 18 ins. dia., brs. N. 82½° E., 52 lks. dist.</p> <p>No suitable B. T.s available.</p> <p>Dig pits 18 x 18 x 12 ins. N. &amp; S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.</p> <p>Land, level bottom. Soil, 1st rate. Timber, mesquite 39.98 chs. Mesquite brush and oak claw 39.98 chs.</p> <p>This cor. is at cor. of fences bearing N. &amp; E.</p>
20.00	<p>Continue S. on a random line bet. secs. 19 and 24, S½.</p> <p>Set temp. S. 1/16 sec. cor. No trace of old cor. is found.</p>
40.00	<p>Set temp. cor. of secs. 19, 24, 25 and 30. No trace of old cor. is found.</p>
20.00	<p>Thence S. on a random line bet. secs. 25 and 30.</p> <p>Set temp. N. 1/16 sec. cor. No trace of old cor. is found.</p>
40.00	<p>Set temp. ¼ sec. cor. No trace of old cor. is found.</p>

Resurvey of

East Boundary T. 16 S., R. 13 E.

Chains

April 20, 1915. At this temp. cor. I set off 11° 21' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 1½' which is the proper lat.

60.00 Set temp. S. 1/16 sec. cor. No trace of old cor. is found.

80.00 Set temp cor. of secs. 25, 30, 31 and 36. No trace of old cor. is found.

Thence S. on a random line bet. secs. 31 and 36.

40.00 Set temp. ¼ sec. cor. No trace of old cor. is found.

80.00 Set temp. cor. of secs. 1, 6, 31 and 36. No trace of old tp. cor. is found.

April 20, 1915.

April 21, 1915. At 8h a.m., l.m.t., I set off 32° 00' on lat. arc, and 11° 38½' N. on decl. arc, and determine a meridian with the solar at temp. cor. of Tps. 16 and 17 S., Rs. 13 and 14 E.

Thence S. on a random line bet. secs. 1 and 6.

40.00 Set temp. ¼ sec. cor. No trace of old cor. is found.

80.00 Set temp. cor. of secs. 1, 6, 7 and 12. No trace of old cor. is found.

Thence S. on a random line bet. secs. 7 and 12.

41.44 Falls .88 lks. W. of the point for the ¼ sec. cor. bet. secs. 7 and 12, (as established from stump of old B. T.) from which a mesquite 6 ins. dia., brs. S. 4° W., 81 lks. dist., plainly inscribed ¼.

(Therefore the proportional length of miles from the ¼ sec. cor. bet. secs. 19 and 24 to the ¼ sec. cor. bet. secs. 7 and 12, will be 80.36 chs. I move temp. cors. to their proportionate positions on line bet. these 2 old cors.)

April 21, 1915. At this cor. I set off 11° 41½' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 31° 58' which is within 1' of the proper lat.

## Resurvey of

North Boundary T. 17 S., R. 14 E.

## Chains

Returning to my adjusted temp. cor. of Tps. 16 and  
17 S., Rs. 13 and 14 E.

Thence I run

E. on a random line bet. secs. 31 and 6.

Over level, open, bottom land.

0.30

Fence, brs. N. and S.

38.26

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

40.60

Fence, brs. N. and S.

40.75

Telegraph line, brs. N. and S.

41.46

Center S. P. R. R. tracks. (Nogales branch).

43.00

Fence, brs. N. and S.

78.26

Set temp. cor. of secs. 5, 6, 31 and 32, (as established  
from old B. T.) from which the old B. T. a

Mesquite 12 ins. dia., brs. N.  $69\frac{1}{4}^{\circ}$  E., 1.85 lks. dist.,  
mkd. T XVI E XXXII B T.

78.87

The reported distance, fall 19 lks. S. of point for  
cor. of secs. 5, 6, 31 and 32.

Land, level bottom.

Soil, 1st rate.

No timber.

April 21, 1915.

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Resurvey of  
South Boundary T. 16 S., R. 13 E.

Chains	
	<p>April 22, 1915. At 8h a.m., l.m.t., I set off 32° 00' on lat. arc, and 11° 59' Non decl arc, and determine a meridian with the solar at my adjusted temp. cor. of tps. 16 and 17 S., Rs. 13 and 14 E.</p> <p>(N. B. Topography written on random line on account of large falling 6 miles W. and only temporarily established for use in Subdivision of T. 16 S., R. 13 E.</p> <p>Thence W. on a random line bet. secs. 1 and 36.</p>
13.90	Fence, brs. N. & S.
20.10	Road, Tucson to Nogales, brs. N. & S.
40.00	Set temp. $\frac{1}{4}$ sec. cor. No trace of old cor. is found.
60.00	Road, brs. N. 15° W. and S. 15° E.
65.00	Wash, 20 lks. wide, course NE.
75.00	Wash, 50 lks. wide, course NE.
80.00	Set temp. cor. of secs. 1, 2, 35 and 36.
	<p>Land, nearly level. Soil, 1st and 2nd rate. Timber, scattering mesquite and palo verde 80.00 chs.</p>
<hr/>	
	<p>Continue W. on a random line bet. secs. 2 and 35.</p> <p>Gradually ascending over gently rolling land.</p> <p>Through mesquite and palo verde timber and mesquite and palo verde brush.</p>
10.00	Wash, 15 lks. wide, course NE.
40.00	Set temp. $\frac{1}{4}$ sec. cor. No trace of old cor. is found.
80.00	Set temp. cor. of secs. 2, 3, 34 and 35. No trace of old cor. is found.
	<p>Land, gently rolling. Soil, 2nd rate. Timber, mesquite and palo verde 80.00 chs. Mesquite and palo verde brush, 80.00 chs.</p>
<hr/>	
	<p>Continue W. on a random line bet. secs. 3 and 34.</p> <p>Gradually ascending over gently rolling land.</p> <p>Through mesquite and palo verde timber; mesquite and palo verde brush and cactus.</p>
17.20	Wash, 20 lks. wide, course NE.
40.00	Set temp. $\frac{1}{4}$ sec. cor. No trace of old cor. is found.
70.00	Wash, 20 lks. wide, course NE.

Resurvey of  
South Boundary T. 16 S., R. 13 E.

Chairs  
80.00 Set temp. cor. of secs. 3, 4, 33 and 34. No trace of old cor. is found.

April 22, 1915. At this cor. I set off 12° 2' N. 1 on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 00', which is the proper lat.

Land, gently rolling.  
Soil, 2nd rate.  
Timber, mesquite and palo verde, 80.00 chs.  
Mesquite and palo verde brush, 80.00 chs.

Continue W. on a random line bet. secs. 4 and 33.  
Gradually ascending over gently rolling land.  
Through mesquite and palo verde timber and mesquite and palo verde brush and cactus.

5.00 Wash, 15 lks. wide, course NE.  
30.00 Wash, 20 lks. wide, course NE.  
40.00 Set temp. 1/4 sec. cor. No trace of old cor. is found.  
80.00 Set temp. cor. of secs. 4, 5, 32 and 33. No trace of old cor. is found.

Land, gently rolling.  
Soil, 2nd rate.  
Timber, mesquite and palo verde, 80.00 chs.  
Mesquite and palo verde brush, 80.00 chs.

Continue W. on a random line bet. secs. 5 and 32.  
Gradually ascending over gently rolling land, through mesquite and palo verde timber and mesquite and palo verde brush and cactus.

3.90 Wash, 10 lks. wide, course NE.  
40.00 Set temp. 1/4 sec. cor. No trace of old cor. is found.  
50.00 Wash, 20 lks. wide, course NE.  
56.10 Dim road, brs. NE. & SW.  
57.80 Wash, 10 lks. wide, course NE.  
65.00 Wash, 15 lks. wide, course NE.  
75.00 Wash, 20 lks. wide, course NE.  
80.00 Set temp cor. of secs. 5, 6, 31 and 32. No trace of old cor. is found.

Land, gently rolling.  
Soil, 2nd rate.  
Timber, mesquite and palo verde 80.00 chs.  
Mesquite and palo verde brush and cactus, 80.00 chs.

Resurvey of

South Boundary T. 16 S., R. 13 E.

Chains

Continue W. on a random line bet. secs. 6 and 31.

Gradually ascending over gently rolling land.

Through mesquite and palo verde timber and mesquite and palo verde brush and cactus.

36.00 Wash, 50 lks. wide, course NE.

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

78.70 Set temp. cor. The reported distance for tp. cor.

79.91 Fall 4.57 chs. N. of the old cor. of tps. 16 and 17 S., Rs. 12 and 13 E., which is a mesquite post 4 ins. square, with 6 notches on N., E., S. & W., in slight elevation. Mkd. depressions distinct E., W. & S., conforming to location of old pits and mounds at this cor.

Land, gently rolling.

Soil, 2nd rate.

Timber, mesquite and palo verde, 79.91 chs.

Mesquite and palo verde brush and cactus, 79.91 chs.

The distance from the cor. of secs. 5, 6, 31 and 32, (T. 16 and 17 S., R. 14 E.) to the cor. of tps. 16 and 17 S., Rs. 12 and 13 E. = 78.87 + 479.91 = 558.78 chs.

The reported distance was

78.26 + 478.70 = 556.96

Therefore, the proportional length of miles (x) will be x: 80::558.78 : 556.96

x = 80.26

The line bet. secs. 6 and 31, Tps. 16 and 17 S. R. 13 E., will be 78.96 chs.

The line bet. secs. 6 and 31, Tps. 16 and 17 S., R. 14 E., will be 78.52 chs.

Proportionate position for the cor. of tps. 16 and 17 S., Rs. 13 and 14 E. on this latitudinal line will be 35 lks. E. of its present adjusted position-- it having been moved its proportional dist. S. (.90 lks.) on the meridional line.

Bearing of S. bdy. T. 16 S., R. 13 E. will be N. 89° 28' E., 480.26 chs., this is established only temporarily for use in restoring subdivision of T. 16 S., R. 13 E., therefore, I adjust the temp. cors. to their proportional dist. on this latitudinal line.

April 22, 1915.



Resurvey of

BOOK 3419

East Boundary T. 16 S., R. 13 E.

Chains

April 23, 1915. At 8h a.m., l.m.t., I set off 32° 2' on lat. arc, and 12° 19' N. on decl arc, and determine a meridian with the solar at the 1/4 sec. cor. bet. secs. 19 and 24, on E. bdy. of T. 16 S., R. 13 E., previously described.

(Having moved the temp. cor. of tps. 16 and 17 S., Rs. 13 and 14 E., 90 lks. S. and 35 lks. E. to its reestablished position by proportional measurement on the meridional and latitudinal lines, will give a bearing bet. the 1/4 sec. cor. bet. secs. 19 and 24 and its reestablished position, of S. 0° 6' E. and lengths of miles of 80.36 chs. Temp. cors. were adjusted accordingly.)

Therefore, from the 1/4 sec. cor. bet. secs. 19 and 24,

I run

S. 0° 6' E. on a true line bet. secs. 19 and 24, along the E. bdy. of P. I R., S. 1/4.

Over level, bottom land, through dense mesquite and palo verde timber; mesquite and palo verde brush and cactus.

17.90 Wash, 30 lks. wide, course NW.

20.09 Proportional distance for the S. 1/16 sec. cor. bet. secs. 19 and 24. Intersect temp. cor.

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

S 1/16 in N.  
S 24 P I R in W.  
S 19 in E.  
1915 in S.

From which a

Mesquite 6 ins. dia., brs., S. 79° E., 64 lks. dist., mkd. S 1/16 S 19 B T.

Mesquite 8 ins. dia., brs. S. 40 1/2° W., 110 lks. dist., mkd. S 1/16 S 24 P I R B T.

40.18 Proportional dist. for the cor. of secs. 19, 24, 25 and 30. Intersect temp. cor.

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

T 16 S in N.  
R 13 E S 24 in NW.  
R 14 E S 19 in NE.  
S 30 in SE.  
S 25 in SW.  
P I R in W.  
1915 in S.

From which a

Mesquite 8 ins. dia., brs. S. 31 1/4° W., 74 lks. dist., mkd. T 16 S R 13 E S 25 B T.

Mesquite 10 ins. dia., brs. N. 50° W., 146 lks. dist., mkd. T 16 S R 13 E S 24 B T.

Resurvey of  
East Boundary T. 16 S., R 13 E.

BOOK 3419

Chairs

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 3 1/2 ft. base, 1 1/2 ft. high,  
W. of cor.

Land, level bottom.

Soil, 1st rate.

Timber, mesquite and palo verde, 40.18 chs.

Mesquite and palo verde brush, cat claw and cactus,  
40.18 chs.

Thence S. 0° 6' E. on a true line bet. secs. 25 and 30,  
along E. bdy. of P. I. R., through mesquite and palo  
verde timber; mesquite and palo verde brush and cactus.

12.20 Road, brs. NE. & SW.

20.09 Proportional dist. for the N. 1/16 sec. cor. bet.  
secs. 25 and 30. Intersect temp. cor.

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

N 1/16 in N.  
S 25 P I R in W.  
S 30 in E.  
1915 in S.

From which a

Mesquite 6 ins. dia., brs. S. 61 1/2° E., 45 lks. dist., mkd.  
N 1/16 S 30 B T.

Mesquite 6 ins. dia., brs. S. 88° W., 78 lks. dist.,  
mkd. N 1/16 S 25 P I R B T.

22.10 Wash, 40 lks. wide, course SW.

23.00 Leave timber, brs. NE. & SW. Enter open.

40.18 Proportional dist. for the 1/4 sec. cor. bet. secs.  
25 and 30. Intersect temp. cor.

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

1/4 in N.  
S 25 P I R in W.  
S 30 in E.  
1915 in S.

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

60.27 Proportional dist. for the S. 1/16 sec. cor. bet.  
secs. 25 and 30. Intersect temp. cor.

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

S 1/16 in N.  
S 25 P I R in W.  
S 30 in E.  
1915 in S.

Dig pits 18 x 18 x 12 ins. N. & S. of cor. 3 ft. dist.;

Resurvey of  
East Boundary T. 16 S., R. 13 E.

BOOK 3419

Chains

and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

79.50 Fence brs. E. & W.

80.36 Proportional dist. for the cor. of secs. 25, 30, 31 and 36. Intersect temp. cor.

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

T 16 S in N.  
SE Cor. P I R R 13 E S 25 in NW.  
R 14 E S 30 in NE.  
S 31 in SE.  
S 36 in SW.  
1915 in S.

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, level bottom.  
Soil, 1st rate.  
Timber, mesquite and palo verde 23.00 chs.  
Mesquite and palo verde brush and cactus 23.00 chs.

April 23, 1915. At this cor. I set off  $12^{\circ} 22'$  N. on decl arc, and at apparent noon observe the sun on the meridian. The resulting lat. is  $32^{\circ} 1'$  which is the proper lat.

Thence S.  $0^{\circ} 6'$  E. on a blank line bet. secs. 31 and 36.

Over level, open, bottom land.

.45 Cor. of fences, bearing E. & S. Thence along same.

37.10 fence, brs. W.

40.18 Set temp. cor. at proportional dist. for the re-established  $\frac{1}{4}$  sec. cor.

75.20 Fence, brs. E.

80.36 Intersect temp. cor. at reestablished point for same.

Land, level bottom.  
Soil, 1st rate.  
No timber.

April 23, 1915.

From temp. cor. of tps. 16 and 17 S., Rs. 13 and 14 E., N.  $89^{\circ} 53'$  E. on a true line

78.52 Intersect the point for the cor. of secs. 5, 6, 31 and 36. Description and topography as on random line on p. 26

Resurvey of 17

East Boundary T. 16 S., R. 13 E.

Chains

From the temp. cor. of tps. 16 and 17 S., Rs. 13 and 14 E.

S. 0° 15' E. on a blank line bet. secs. 1 and 6.

Over level, open, bottom land.

40.18 Proportional dist. for the  $\frac{1}{4}$  sec. cor. bet. secs. 1 and 6.

80.36 Proportional dist. for the cor. of secs. 1, 6, 7 and 12.

Continue S. 0° 15' E. on a blank line bet. secs. 7 and 12.

40.18 Intersect the point for the  $\frac{1}{4}$  sec. cor. bet. secs. 7 and 12, as established from the old B. T.s, description as on random line on p. 25.

Resurvey of  
South Boundary T. 16 S., R. 12 E.

Chairs

May 26, 1915. At 8h a.m., l.m.t., I set off 32° 00' on lat. arc, and 21° 1' N. on decl. arc, and determine a meridian with the solar at the cor. of tps. 16 and 17 S., Rs. 12 and 13 E., previously described.

Thence I run

W. on a random line setting temp.  $\frac{1}{4}$  sec. cor., and sec. cors. at every 40.00 and 80.00 chs.; after diligent search no signs of any corner on this line are found but, at 5778.54 chs. fall 2.23 chs. N. of the old cor. of tps. 16 and 17 S., Rs. 11 and 12 E., which is a granite stone 18 x 12 x 5 ins. above ground, well set and plainly mkd. with 6 notches on the N., E., S. & W. faces, from which the old B. T.s mkd. as described are a

Mesquite 12 ins. dia., brs. N. 55° E., 217 lks. dist.,

Palo verde 4 ins. dia., brs. S. 9 $\frac{1}{2}$ ° E., 54 lks. dist.

Palo verde 4 ins. dia., brs. N. 0° 45' W., 91 lks. dist.

No other B. T.s available.

Old mound of stone W. of cor.

(N. B. - Reported dist. was 478.30 chs., lengths of miles will be 80.04 chs., except bet. secs. 6 and 31, which will be 78.34 chs. Bearing will be N. 89° 44' E.)

May 26, 1915. At this cor. I set off 21° 3' N. on decl arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 00' which is the proper lat.

Thence I run

N. 89° 44' E. on a true line bet. secs. 6 and 31.

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

30.50 Road, brs. NE. & SW.

38.32 Point for the  $\frac{1}{4}$  sec. cor. by proportional dist.

45.00 Wash, 30 lks. wide, course NE.

54.30 Dim road, brs. N. & S.

60.50 Wash, 20 lks. wide, course N. 15° E.

70.60 Road, brs. NW. & SE.

72.20 Road, brs. NE. & SW.

76.00 Road, brs. NW. & SE.

78.34 Set temp. cor of secs. 5, 6, 31 and 32. Point for reestablished cor. by proportional dist.

Land, rolling.  
Soil, rocky 4th rate.  
Timber, scattered mesquite and palo verde, 78.34 chs.  
Mesquite and palo verde brush and cactus, 78.34 chs.

Resurvey of  
South Boundary T. 16 S., R. 12 E.

Chairs	<p>Continue N. 89° 44' E. on a true line bet. secs. 5 and 32.</p> <p>Over rolling land, through scattered mesquite, palo verde and cactus.</p> <p>1.10 Wash 20 lks. wide, course N. 15° E.</p> <p>21.60 Road, brs. NW. &amp; SE.</p> <p>40.02 Point for the ¼ sec. cor. by proportional dist.</p> <p>53.80 Wash, 20 lks. wide, course N.</p> <p>80.04 Set temp. point for reestablished cor. by proportional dist.</p> <p>Land, rolling. Soil, rocky 4th rate. Timber, scattering mesquite and palo verde, 80.04 chs. Mesquite and palo verde brush and cactus, 80.04 chs.</p>
	<p>Continue N. 89° 44' E. on a true line bet. secs. 4 and 33.</p> <p>Over rolling land, through scattered mesquite and palo verde, and cactus.</p> <p>6.90 Wash, 15 lks. wide, course N. 30° E.</p> <p>28.60 Road, brs. N. &amp; S.</p> <p>40.02 Point for the ¼ sec. cor. by proportional dist.</p> <p>56.00 Road, brs. NW. &amp; SE.</p> <p>71.60 Road, brs. N. &amp; S.</p> <p>80.04 Set temp. cor. The point for the reestablished cor. by proportional dist.</p> <p>Land, rolling. Soil, rocky and 4th rate. Timber, scattered mesquite and palo verde 80.04 chs. Mesquite and palo verde brush and cactus, 80.04 chs.</p>
	<p>Continue N. 89° 44' E. on a true line bet. secs. 3 and 34.</p> <p>Over rolling land, through mesquite and palo verde, and cactus.</p> <p>10.60 Wash, 4 chs. wide, course NE.</p> <p>40.02 Proportional dist for the ¼ sec. cor.</p> <p>59.90 Wash, 20 lks. wide, course NE.</p> <p>80.04 Set temp. cor. The point for the reestablished cor. by proportional dist.</p>

Resurvey of  
South Boundary T 16 S., R. 12 E.

Chains	Land, rolling. Soil, rocky 4th rate. Timber, scattered mesquite and palo verde, 80.04 chs. Mesquite and palo verde brush; cactus, 80.04 chs.
-----	
	Continue N. 89° 44' E. on a true line bet. secs. 2 and 35.
	Over rolling land, through mesquite, palo verde and cactus.
19.40	Road, Tucson to Nogales, brs. N. & S.
27.40	Road, brs. N. 60° W. and S. 60° E.
40.02	Point for the $\frac{1}{4}$ sec. cor. by proportional dist.
44.70	Road, brs. N. 75° E. and S. 75° W.
53.10	Ore dump and mine, 3 chs. N.
61.40	Road, brs. S. 60° E. and N. 60° W., also Begin ascent of rocky SW. slope.
74.10	Top of ascent, brs. N. & S. Begin descent of SE. slope.
80.04	Set temp. cor. The point for reestablished cor. by proportional dist.
	Land, rolling. Soil, rocky and 4th rate. Timber, scattered mesquite and palo verde, 80.04 chs. Mesquite and palo verde brush and cactus, 80.04 chs.
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	Continue N. 89° 44' E. on a true line bet. secs. 1 and 36.
	Desc. rocky SE. slope, through scattered mesquite and palo verde and cactus.
4.40	Foot of steep descent. Thence gradual descent.
7.40	Road, brs. NE. & SW.
16.60	Wash, 2 chs. wide, course NE. Foot of descent, thence rolling.
40.02	Point for the $\frac{1}{4}$ sec. cor. by proportional dist.
51.40	Wash, 20 lks. wide, course NE.
80.04	Intersect the cor. of tps. 16 and 17 S., Rs. 12 and 13 E., previously described.
	Land, rolling. Soil, rocky and 4th rate. Timber, scattered mesquite and palo verde, 80.04 chs. Mesquite and palo verde brush and cactus, 80.04 chs.
May, 26, 1915.	
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Resurvey of  
North Boundary P. I. R. in T. 15 S., R. 12 E.

Chairs	
	<p>July 8, 1915. At 8h a.m., l.m.t., I set off 32° 7' on lat. arc, and 22° 35' N. on decl. arc, and determine a meridian at re-established cor. of secs. 19, 24, 25 and 30, bet. Rs. 12 and 13 E., T. 15 S.</p> <p>Thence W. on a random line bet. secs. 24 and 25.</p>
20.00	Set temp. E. 1/16 sec. cor. No trace of old cor. is found.
40.00	Set temp. 1/4 sec. cor. No trace of old cor. is found.
60.00	Set temp. W. 1/16 sec. cor. No trace of old cor. is found.
80.00	Set temp. cor. of secs. 23, 24, 25 and 26. No trace of old cor. is found.
<hr/>	
	<p>Continue W. on a random line bet. secs. 23 and 26.</p>
20.00	Set temp. E. 1/16 sec. cor. No trace of old cor. is found.
40.00	Set temp. 1/4 sec. cor. No trace of old cor. is found.
60.00	Set temp. W. 1/16 sec. cor. No trace of old cor. is found.
80.00	Set temp. cor. of secs. 22, 23, 26 and 27. No trace of old cor. is found.
<hr/>	
	<p>Continue W. on a random line bet. secs. 22 and 27.</p>
20.00	Set temp. E. 1/16 sec. cor. No trace of old cor. is found.
40.00	Set temp. 1/4 sec. cor. No trace of old cor. is found.
60.00	Set temp. W. 1/16 sec. cor. No trace of old cor. is found.
80.00	Set temp. cor. of secs. 21, 22, 27 and 28. No trace of old cor. is found.
<hr/>	
	<p>Continue W. on a random line bet. secs. 21 and 28.</p>
20.00	Set temp. E. 1/16 sec. cor. No trace of old cor. is found.
40.00	Set temp. 1/4 sec. cor. No trace of old cor. is found.
60.00	Set temp. W. 1/16 sec. cor. No trace of old cor. is found.
80.00	Set temp. cor. of secs. 20, 21, 28 and 29. No trace of old cor. is found.
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## Resurvey of

North Boundary P. I. R. in T. 15 S., R. 12 E.

## Chains

Continue W. on a random line bet. secs. 20 and 29

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. No trace of old cor. is found.

80.00 Set temp. cor. of secs. 19, 20, 29 and 30. No trace of old cor. is found.

-----  
Continue W. on a random line bet. secs. 19 and 30.

20.00 Set temp. E. 1/16 sec. cor.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

60.00 Set temp. W. 1/16 sec. cor.

82.57 Fall 1.41 chs. N. of the cor. of secs. 19, 24, 25 and 30, previously described.

(Therefore, bearing will be S. 89° 50' W.; length of miles 80.32 chs., with the exception of the line bet. secs. 19 and 30 which will be 80.97 chs.)

(The bearing of Chillson's survey was S. 89° 57' W.)

July 8, 1915. At this cor. I set off 22° 33' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 7' which is the proper lat.

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Returning to the cor. of secs. 19, 24, 25 and 30, bet. Rs. 12 and 13 E., T. 15 S.

Thence I run

S. 89° 50' W. on a true line bet. secs. 24 and 25, along N. bdy. of P. I. R.

Over level land, through scattered mesquite, cactus and greasewood.

20.08 Proportional dist. for the E. 1/16 sec. cor..

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

E 1/16 in W.

S 24 in N.

S 25 P I R 1915 in S.

From which a

Mesquite 6 ins. dia., brs. N. 50° E., 74 lks dist., mkd. E 1/16 S 24 B T.

Mesquite 6 ins. dia., brs. S. 1 $\frac{1}{2}$ ° W., 27 lks. dist., mkd. E 1/16 S 25 P I R B T.

Resurvey of

North Boundary P.I.R. in T. 15 S., R. 12 E.

Chains

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

40.16 Proportional dist. for the  $\frac{1}{4}$  sec. cor. bet. secs. 24 and 25.

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

$\frac{1}{4}$  in W.  
S 24 in N.  
S 25 P I R 1915 in S.

From which a

Mesquite 7 ins. dia., brs. N. 72 $\frac{1}{2}$ ° E., 149 lks. dist.,  
mkd.  $\frac{1}{4}$  S 24 B T.

Mesquite 7 ins. dia., brs. S. 81° E., 100 lks. dist.,  
mkd.  $\frac{1}{4}$  S 25 P I R B T.

60.24 Proportional dist. for the W.  $\frac{1}{16}$  sec. cor. bet. secs. 24 and 25.

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

W  $\frac{1}{16}$  in W.  
S 24 in N.  
S 25 P I R 1915 in S.

From which a

Mesquite 4 ins. dia., brs. N. 71 $\frac{1}{2}$ ° E., 38 lks. dist.,  
mkd. W  $\frac{1}{16}$  S 24 B T.

Mesquite 8 ins. dia., brs. S. 60° E., 60 lks. dist.,  
mkd. W  $\frac{1}{16}$  S 25 P I R B T.

80.32 Proportional dist. for the cor. of secs. 23, 24, 25 and 26.

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

T 15 S R 12 E in N.  
S 23 in NW.  
S 24 in NE.  
S 25 in SE.  
S 26 in SW.  
P I R 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, 1 $\frac{1}{2}$  ft. high,  
W. of cor.

Land, level.  
Soil, 2nd rate.  
Timber, scattered mesquite 80.32 chs.  
Cactus and greasewood, 80.32 chs.

Continue S. 89° 50' W. on a true line bet. secs. 23 and 26, along N. bdy. P. I R.

Over level land, through scattered mesquite, cactus and greasewood.

## Resurvey of

North Boundary P. I. R. 1n T. 15 S., R. 12 E.

## Chains

- 3.40 Wash, 15 lks. wide, course N. 30° E.
- 20.08 Proportional dist. for the E. 1/16 sec. cor. bet. secs. 23 and 26.
- Set an iron post 1 in. dia., stamped on cap
- E 1/16 in W.  
S 23 in N.  
S 26 P I R 1915 in S.
- From which a
- Mesquite 4 ins. dia., brs. N. 66° E., 90 lks. dist.,  
mkd. E 1/16 S 23 B T.
- Mesquite 5 ins. dia., brs. S. 8° W., 157 lks. dist.,  
mkd. E 1/16 S 26 P I R B T.
- 40.16 Proportional dist. for the 1/4 sec. cor. bet. secs. 23 and 26.
- Set an iron post 1 in. dia., stamped on cap
- 1/4 in W.  
S 23 in N.  
S 26 P I R 1915 in S.
- From which a
- Mesquite 8 ins. dia., brs. S. 70 1/4° E., 169 lks. dist.,  
mkd. 1/4 S 26 P I R B T.
- Mesquite 6 ins. dia., brs. N. 74° W., 28 lks. dist.,  
mkd. 1/4 S 23 B T.
- 54.40 Road, brs. NE. & SW.
- 60.24 Proportional dist. for the W. 1/16 sec. cor. bet. secs. 23 and 26.
- Set an iron post 1 in. dia., stamped on cap
- W 1/16 in W.  
S 23 in N.  
S 26 P I R 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.
- 80.32 Proportional dist. for the cor. of secs. 22, 23, 26 and 27.
- Set an iron post 3 ins. dia., stamped on cap
- T 15 S R 12 E in N.  
S 22 in NW  
S 23 in NE.  
S 26 in SE.  
S 27 in SW.  
P I R 1915 in S.
- From which a

## Resurvey of

North Boundary P. I. R. in T. 15 S., R. 12 E.

## Chains

Mesquite 5 ins. dia., brs. N.  $63\frac{1}{2}^{\circ}$  E., 170 lks. dist.,  
mkd. T 15 S R 12 E S 23 B T.

Mesquite 5 ins. dia., brs. S.  $6^{\circ}$  E., 145 lks. dist.,  
mkd. T 15 S R 12 E S 26 P I R B T.

Mesquite 6 ins. dia., brs. S.  $61\frac{1}{2}^{\circ}$  W., 195 lks. dist.,  
mkd. T 15 S R 12 E S 27 P I R B T.

Unable to get a B. T. in NW. quadrant.

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, level.

Soil, 2nd rate.

Timber, scattered mesquite 80.32 chs.

Cactus and greasewood, 80.32 chs.

Continue S.  $89^{\circ} 50'$  W. on a true line bet. secs.  
22 and 27, along N. bdy. P. I. R.

Over level land, through scattered mesquite, cactus  
and greasewood.

1.90 Wash, 15 lks. wide, course N.

20.08 Proportional dist. for the E.  $1/16$  sec. cor. bet.  
secs. 22 and 27.

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

E  $1/16$  in W.

S 22 in N.

S 27 P I R 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.

40.16 Proportional dist. for the  $\frac{1}{4}$  sec. cor bet. 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 P I R 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.

54.50 Wash, 10 lks. wide, course N.

60.24 Proportional dist. for the W.  $1/16$  sec. cor. bet.  
secs. 22 and 27.

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

Resurvey of

North Boundary P. I. R. in T. 15 S., R. 12 E.

Chairs

W 1/16 in W.  
S 22 in N.  
S 27 P I R 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 1/2 ft. base, 1 1/2 ft. high,  
N. of cor.

80.32

Proportional dist. for the cor. of secs. 21, 22, 27  
and 28.

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

T 15 S R 12 E in N.  
S 21 in NW.  
S 22 in NE.  
S 27 in SE.  
S 28 in SW.  
P I R 1915 in S.

From which a

Mesquite 5 ins. dia., brs. N. 23 1/2° E., 147 lks. dist.,  
mkd. T 15 S R 12 E S 22 B. T.

Mesquite 4 ins. dia., brs. S. 15° W., 212 lks. dist.,  
mkd. T 15 S R 12 E S 28 P I R B T.

Mesquite 5 ins. dia., brs. N. 36 1/2° W., 263 lks. dist.,  
mkd. T 15 S R 12 E S 21 B T.

No B. T. in SE. quadrant 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, level.  
Soil, 2nd rate.  
Timber, scattered mesquite 80.32 chs.  
Cactus and greasewood 80.32 chs.

20.08

Continue S. 89° 50' W. on a true line bet. secs. 21 and  
28, along N. bdy. of P. I. R.

Over level land, through scattered mesquite, palo  
verde, cactus and greasewood.

Proportional dist. for the E. 1/16 sec. cor. bet.  
secs. 21 and 28.

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

E 1/16 in W.  
S 21 in N.  
S 28 P I R 1915 in S.

From which a

Mesquite 4 ins. dia., brs. S. 75° W., 137 lks. dist.,  
mkd. E 1/16 S 28 P I R B T.

Resurvey of  
North Boundary P. I. R. in T. 15 S., R. 12 E.

BOOK 3419

Chains

Palo verde 5 ins. dia., brs. N.  $47\frac{1}{4}^{\circ}$  W., 140 lks. dist.,  
mkd. E  $\frac{1}{16}$  S 21 B T.

40.16

Proportional dist for the  $\frac{1}{4}$  sec. cor. bet. secs.  
21 and 28.

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

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

From which a

Mesquite 4 ins. dia., brs. N.  $15\frac{1}{2}^{\circ}$  E., 91 lks. dist.,  
mkd.  $\frac{1}{4}$  S 21 B T.

Mesquite 6 ins., dia., brs. S.  $65^{\circ}$  W., 168 lks. dist.,  
mkd.  $\frac{1}{4}$  S 28 P I R B T.

60.24

Proportional dist. for the W.  $\frac{1}{16}$  sec. cor. bet.  
secs. 21 and 28.

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

W  $\frac{1}{16}$  in W.  
S 21 in N.  
S 28 P I R 1915 in S.

Mesquite 5 ins. dia., brs. N.  $42^{\circ}$  E., 47 lks. dist.,  
mkd. W  $\frac{1}{16}$  S 21 B T.

Mesquite 4 ins. dia., brs. S.  $28^{\circ}$  E., 273 lks. dist.,  
mkd. W  $\frac{1}{16}$  S 28 P I R B T.

80.32

Proportional dist. for the cor. of secs. 20, 21, 28  
and 29.

Set an iron post 3 ins. dia. stamped in cap

T 15 S R 12 E in N.  
S 20 in NW.  
S 21 in NE.  
S 28 in SE.  
S 29 in SW.  
P I R 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  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Land, level.

Soil, 2nd rate.

Timber, scattered mesquite and palo verde, 80.32 chs.

Cactus and greasewood, 80.32 chs.

Continue S.  $89^{\circ} 50'$  W. on a true line bet. secs. 20  
and 29, along N. bdy. of P. I. R.

Resurvey of

BOOK 3419

44

North Boundary P. I. R. in T. 15 S., R. 12 E.

Chains	
20.08	<p>Over level land, through scattered mesquite and palo verde, cactus and greasewood.</p> <p>Proportional dist. for the E. 1/16 sec. cor. bet. secs. 20 and 29.</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;">E 1/16 in E. S 20 in N. S 29 P I R 1915 in S.</p> <p>From which a</p> <p>Palo verde 8 ins. dia., brs. S. 64<math>\frac{1}{4}</math>° E., 318 lks. dist., mkd. E. 1/16 S 29 P I R B T.</p> <p>Mesquite 6 ins. dia., brs. S. 62<math>\frac{1}{4}</math>° W., 293 lks. dist., mkd. E. 1/16 S 29 P I R B T.</p>
40.16	<p>Proportional dist. for the <math>\frac{1}{4}</math> sec. cor. bet. secs. 20 and 29.</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;"><math>\frac{1}{4}</math> in W. S 20 in N. S 29 P I R 1915 in S.</p> <p>From which a</p> <p>Mesquite 5 ins. dia., brs. S. 24° W., 222 lks. dist., mkd. <math>\frac{1}{4}</math> S 29 P I R B T.</p> <p>Mesquite 4 ins. dia., brs. N. 75<math>\frac{1}{4}</math>° W., 242 lks. dist., mkd. <math>\frac{1}{4}</math> S 20 B T.</p>
60.24	<p>Proportional dist. for the W. 1/16 sec. cor. bet. secs. 20 and 29.</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;">W 1/16 in W. S 20 in N. S 29 P I R 1915 in S.</p> <p>From which a</p> <p>Palo verde 5 ins. dia., brs. S. 9° W., 74 lks. dist., mkd. W 1/16 S 29 P I R B T.</p> <p>Mesquite 3 ins. dia., brs. N. 81<math>\frac{1}{4}</math>° W., 264 lks. dist., mkd. W 1/16 S 20 B T.</p>
80.32	<p>Proportional dist. for the cor. of secs. 19, 20, 29 and 30.</p> <p>Set an iron post 3 ins. dia., stamped on cap</p> <p style="padding-left: 40px;">T 15 S R 12 E in N. S 19 in NW. S 20 in NE. S 29 in SE. S 30 in SW. P I R 1915 in S.</p> <p>From which a</p>

Resurvey of

North Boundary P. I. R. in T. 15 S., R. 12 E.

Chains

Mesquite 4 ins. dia., brs. N. 34 $\frac{1}{2}$ ° E., 253 lks. dist.,  
mkd. T 15 S R 12 E S 20 B T.

Mesquite 5 ins. dia., brs. S. 36° E., 315 lks. dist.,  
mkd. T 15 S R 12 E S 29 P I R B T.

Palo verde 5 ins. dia., brs. S. 84 $\frac{1}{2}$ ° W., 126 lks. dist.,  
mkd. T 15 S R 12 E S 30 P I R B T.

Mesquite 6 ins. dia., brs. N. 59 $\frac{1}{2}$ ° W., 132 lks. dist.,  
mkd. T 15 S R 12 E S 19 B T.

Land, level.  
Soil, 2 nd rate.  
Timber, scattered mesquite and palo verde, 80.32 chs.  
Cactus and greasewood, 80.32 chs.

Continue S. 89° 50' W. on a true line bet. secs. 19  
and 30, along N. bdy of P. I. R.

Over level land through scattered mesquite and palo  
verde, cactus and greasewood.

18.20 Wash, 10 lks. wide, course NW.

20.08 Proportional dist. for E. 1/16 sec. cor. bet. secs.  
19 and 30.

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

E 1/16 in W.  
S 19 in N.  
S 30 P I R 1915 in S.

From which a

Mesquite 5 ins. dia., brs. N. 29 $\frac{1}{2}$ ° E., 185 lks. dist.,  
mkd. E 1/16 S 19 B T.

Mesquite 4 ins. dia., brs. S. 30° E., 111 lks. dist.,  
mkd. E 1/16 S 30 P I R 1915 B. T.

40.16 Proportional dist. for the  $\frac{1}{4}$  sec. cor. bet. secs.  
19 and 30.

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

$\frac{1}{4}$  in W.  
S 19 in N.  
S 30 P I R 1915 in S.

From which a

Palo Verde 6 ins. dia., brs. N. 32 $\frac{1}{2}$ ° E., 47 lks. dist.,  
mkd.  $\frac{1}{4}$  S 19 B T.

Palo verde 8 ins. dia., brs. S. 76 $\frac{1}{2}$ ° E., 241 lks. dist.,  
mkd.  $\frac{1}{4}$  S 30 P I R B T.

59.60 Wash, 10 lks. wide, course N. 30° W.

60.24 Proportional dist. for the W. 1/16 sec. cor. bet.  
secs. 19 and 30.



Resurvey of

North Boundary P.I.R.in T. 15 S., R. 12 E.

Chains

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

W 1/16 in W.  
S 19 in N.  
S 30 P I, R 1915 in S.

From which a

Palo verde 4 ins. dia., brs. N. 39° E., 93 lks. dist.,  
mkd. W 1/16 S 19 B T.

Palo verde 12 ins. dia., brs. S. 44° E., 97 lks. dist.,  
mkd. W 1/16 S 30 P I R B T.

80.97 Intersect the cor. of secs. 19, 24, 25 and 30 bet.  
Rs. 11 and 12 E., T. 15 S., previously described.

Land, level.  
Soil, 2nd rate.  
Timber, scattered mesquite and palo verde, 80.97 chs.  
Cactus and greasewood, 80.97 chs.

July 8, 1915.

Resurvey of  
West Boundary P. I. R. in T. 15 S., R. 11 E.

Chains	
	<p>July 15, 1915. At 8h a.m., l.m.t., I set off 32° 5' on lat. arc, and 21° 39½' on decl. arc, and determine a meridian with the solar at the S. C. bet. secs. 33 and 34, previously described.</p> <p>Thence N. on a random line bet. secs. 33 and 34.</p>
20.00	Set temp. S. 1/16 sec. cor. No trace of old cor. is found.
40.00	Set temp. ¼ sec. cor. No trace of old cor. is found.
60.00	Set temp. W. 1/16 sec. cor. No trace of old cor. is found.
80.00	Set temp. cor. of secs. 27, 28, 33 and 34. No trace of old cor. is found.
<hr style="border-top: 1px dashed black;"/>	
	<p>Continue N. on a random line bet. secs. 27 and 28.</p>
20.00	Set temp. S. 1/16 sec. cor. No trace of old cor. is found.
40.00	Set temp. ¼ sec. cor. Found old stone for cor. lying loose on top of ground in vicinity of this cor.
60.00	Set temp. N. 1/16 sec. cor. No trace of old cor. is found.
80.88	Fall 1.78 chs. E. of old cor. of secs. 21, 22, 27 and 28.
	<p>(This boundary of P. I. R. was established in 1887 by Roskrige as the bdy. of frac. tp. 15 S., R. 11 E., outside of reservation and not being dependent upon the subdivision outside of P. I. R., and the subdivision within P. I. R. being executed a year later, I treat this W. bdy. of P. I. R. as a tp. exterior and establish the bdy. as a straight line bet. the S. C. of secs. 33 and 34 and the cor. of secs. 21, 22, 27 and 28, setting cors. at their proportional dist. The bearing bet. said cors. will be N. 0° 38' W., and lengths of miles = 80.44 chs.</p>
<hr style="border-top: 1px dashed black;"/>	
	<p>Returning to the S. C. of secs. 33 and 34</p> <p>Thence I run</p> <p>N. 0° 38' W. on a true line bet secs. 33 and 34, along W. bdy. of P. I. R.</p> <p>Desc. gradually over nearly level land, through scattered mesquite and palo verde; cactus and greasewood.</p>
20.11	Proportional dist. for the S. 1/16 sec. cor. bet. secs. 33 and 34.
	Set an iron post 1 in. dia., stamped on cap

## Resurvey of

West Boundary P. I. R., T. 15 S., R. 11 E.

Chains

S 1/16 in N.  
S 33 in W.  
S 34 P I R in E.  
1915 in S.

From which a

Mesquite 3 ins. dia., brs. S.  $71\frac{1}{2}^{\circ}$  E., 64 lks. dist.,  
mkd. S 1/16 S 34 P I R B T.

Mesquite 4 ins. dia., brs. S.  $22^{\circ}$  W., 242 lks. dist.,  
mkd. S 1/16 S 33 B T.

40.22

Proportional dist for the  $\frac{1}{4}$  sec. cor. bet. secs.  
33 and 34.

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

$\frac{1}{4}$  in N.  
S 33 in W.  
S 34 P I R in E.  
1915 in S.

No bearing trees 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,  
W. of cor.

60.33

Proportional dist. for the N. 1/16 sec. cor. bet.  
secs. 33 and 34.

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

N 1/16 in N.  
S 33 in W.  
S 34 P I R in E.  
1915 in S.

No suitable Bearing trees 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,  
W. of cor.

76.50

Road, brs. E. &amp; W.

80.44

Proportional dist. for the cor. of secs. 27, 28, 33  
and 34.

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

T 15 S R 11 E in N.  
S 28 in NW.  
S 27 in NE.  
S 34 in SE.  
S. 33 in SW.  
P I R 1915 in S.

From which a

Mesquite 5 ins. dia., brs. N.  $4\frac{1}{2}^{\circ}$  E., 328 lks. dist.,  
mkd. T 15 S R 11 E S 27 P I R B T.

Mesquite 4 ins. dia., brs. S.  $5\frac{1}{2}^{\circ}$  E., 165 lks. dist.,  
mkd. T 15 S R 11 E S 34 P I R B T.

Mesquite 6 ins. dia., brs. S.  $75\frac{3}{4}^{\circ}$  W., 158 lks. dist.,  
mkd. T 15 S R 11 E S 33 B T.

Resurvey of

West Boundary P. I. R., T. 15 S., R. 11 E.

Chains

Mesquite 8 ins. dia., brs. N.  $72\frac{3}{4}^{\circ}$  W., 267 lks. dist.,  
mkd. T 15 S R 11 E S 28 B T.

Land, level.  
Soil, 2nd rate.  
Timber, scattered mesquite and palo verde, 80.44 chs.  
Cactus and greasewood 80.44 chs.

Continue N.  $0^{\circ} 38'$  W. on a true line bet. secs. 27 and  
28, along W. bdy. of P. I. R.

Over nearly level land, gently sloping towards N.  
through scattered mesquite and palo verde; cactus  
and greasewood.

20.11

Proportional dist. for the S.  $1/16$  sec. cor. bet.  
secs. 27 and 28.

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

S  $1/16$  on N.  
S 28 in W.  
S 27 P I R 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,  
W. of cor.

40.22

Proportional dist. for the  $\frac{1}{4}$  sec. cor. bet. secs.  
27 and 28.

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

$\frac{1}{4}$  in N.  
S 28 in W.  
S 27 P I R in E.  
1915 in S.

From which a

Mesquite 5 ins. dia., brs. S.  $72\frac{3}{4}^{\circ}$  E., 83 lks. dist.,  
mkd.  $\frac{1}{4}$  S 27 P I R B T.

Mesquite 5 ins. dia., brs. S.  $62\frac{1}{4}^{\circ}$  W., 176 lks. dist.,  
mkd.  $\frac{1}{4}$  S 28 B T.

60.33

Proportional dist. for the N.  $1/16$  sec. cor. bet.  
secs. 27 and 28.

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

N  $1/16$  in N.  
S 28 in W.  
S 27 P I R in E.  
1915 in S.

No suitable 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,  
W. of cor.

## Resurvey of

West Boundary P. I. R. T. 15 S., R. 11 E.

Chains

80.44

Intersect the old cor. of secs. 21, 22, 27 and 28,  
which is a malpais 8 x 10 x 8 ins. above ground.  
well set and plainly mkd.,

3 notches on E.  
2 nothoes on S.

(This is Roskrugs's cor. of 1887 - the post which  
Chilson set in 1888 N. and alongside, I am un-  
able to find.)

N. and alongside of this stone I set an iron post  
3 ins. dia., stamped on cap

T 15 S R 11 E on N.  
S 21 in NW.  
S 22 in NE.  
S 27 NW cor P I R in SE.  
S 28 in SW.  
1915 in S.

Land, level.

Soil, 2nd rate.

Timber, scattered mesquite and palo verde, 80.44 chs.

Cactus and greasewood 80.44 chs.

Resurvey of

North Boundary P I R, T. 15 S., R. 11 E.

Chains

From the cor. of secs. 21, 22, 27 and 28, previously described, I run

N. on a random line bet. secs. 22 and 27.

20.00 Set temp. W. 1/16 sec. cor. No trace of old cor. is found.

40.14 Falls 45 lks. S. of old 1/4 sec. cor. of secs. 22 and 27.

Returning to the cor. of secs. 21, 22, 27 and 28

Thence I run

N. 89° 21' E. on a true line bet. secs. 22 and 27 along N. bdy. of P. I. R.

Over level land, through scattered mesquite; cactus and greasewood.

20.07 Proportional dist. for the W. 1/16 sec. cor. bet. secs. 22 and 27.

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

W 1/16 in W.  
S 22 in N.  
S 27 P I R 1915 in S.

From which a

Mesquite 4 ins. dia., brs. S. 28 1/2° W., 182 lks. dist., mkd. W 1/16 S 27 P I R B T.

Mesquite 6 ins. dia., brs. N. 81° W., 101 lks. dist., mkd. W 1/16 S 22 B T.

40.14 Intersect the old 1/4 sec. cor. bet. secs. 22 and 27, which is a malpais 10 x 6 x 6 ins. above ground, well set and plainly mkd.

1/4 on N.  
P R on S.

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

1/4 in W.  
S 22 in N.  
S 27 P I R 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 1/2 ft. base, 1 1/2 ft. high, N. of cor.

( No trace of Chillson's post which was set N. and alongside of above stone)

Land, level.  
Soil, 2nd rate.  
Timber, scattered mesquite 40.14 chs.  
Cactus and greasewood, 40.14 chs.

Resurvey of

North Boundary P. I. R. T. 15 S., R. 11 E.

Chains	<p>July 15, 1915. At this cor. I set off 21° 37½' N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is 32° 7' which is the proper lat.</p>
20.00	<p>Thence E. on a random line.</p> <p>Set temp. E. 1/16 sec. cor. No trace of old cor. is found.</p>
40.16	<p>Falls 33 lks. S. of the old cor. of secs. 22, 23, 26 and 27.</p> <p>Returning to the ¼ sec. cor. bet. secs. 22 and 27.</p> <p>Thence I run</p> <p>N. 89° 32' E. on a true line bet. secs. 22 and 27, E. ¼, along N. bdy. of P. I. R.</p> <p>Over level land, through scattered mesquite, cactus and greasewood.</p>
20.08	<p>Proportional dist. for the E. 1/16 sec. cor. bet. secs. 22 and 27.</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;">E 1/16 in W. S 22 in N. S 27 P I R 1915 in S.</p> <p>No suitable B. T.s available.</p> <p>Dig pits 18 x 18 x 12 ins. E. &amp; W. of cor. 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.</p>
40.16	<p>Intersect old cor. of secs. 22, 23, 26 and 27, which is a malpais 10 x 16 x 12 ins. above ground, well set and plainly mkd.</p> <p style="padding-left: 40px;">2 notches on E. P R &amp; 2 notches on S.</p> <p>N. and alongside I set an iron post 3 ins. dia., stamped on cap</p> <p style="padding-left: 40px;">T 15 S R 11 E in N. S 22 in NW. S 23 in NE. S 26 P I R in SE. S 27 P I R in SW. 1915 in S.</p> <p>No suitable B. T.s available.</p> <p>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.</p> <p>(No trace of Chillson's post which was set N. and alongside of above post.)</p> <p>Land, level. Timber, scattered mesquite 40.16 chs. Soil, 2nd rate. Cactus and greasewood, 40.16 chs.</p>

Resurvey of

North Boundary P. I. R. T. 15 S., R. 11 E.

Chains

Thence E. on a random line bet. secs. 23 and 26.

20.00 Set temp. W. 1/16 sec. cor. No trace of old cor. is found.

40.04 Falls 30 lks. S. of old 1/4 sec. cor. bet. secs. 23 and 26.

Returning to the cor. of secs. 22, 23, 26 and 27

Thence I run

N. 89° 34' E. on a true line bet. secs. 23 and 26, along the N. bdy. of P. I. R.

Over level land, through scattered mesquite; cactus and greasewood.

20.02 Proportional dist. for the W. 1/16 sec. cor. bet. secs. 23 and 26.

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

W 1/16 in W.  
S 23 in N.  
S 26 P I R 1915 in S.

From which

Mesquite 4 ins. dia., brs. S. 47 1/4° W., 121 lks. dist., mkd. W 1/16 S 26 P I R B T.

Mesquite 5 ins. dia., brs. N. 15 1/4° W., 83 lks. dist., mkd. W 1/16 S 23 B T.

40.04 Intersect the old 1/4 sec. cor. bet. secs. 23 and 26, which is a malpais 6 x 10 x 6 ins. above ground, well set and plainly mkd. 1/4 on N. face, P. R. on S.

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

1/4 in W.  
S 23 in N.  
S 26 P I R 1915 in S.

From which a

Mesquite 4 ins. dia., brs. S. 77 1/4° W., 105 lks. dist., mkd. 1/4 S 26 P I R B T.

Mesquite 16 ins. dia., brs. N. 53° W., 53 lks. dist., mkd. 1/4 S 23 B T.

(No sign of Chillson's old post which was set N. and alongside of above stone.

Land, level.  
Soil, 2nd rate.  
Timber, scattered mesquite 40.04 chs.  
Cactus and greasewood, 40.04 chs.



## Resurvey of

North Boundary P. I. R. T. 15 S., R. 11 E.

## Chains

Thence E. on a random line bet. secs. 23 and 26, E.  $\frac{1}{2}$ .20.00 Set temp. E.  $\frac{1}{16}$  sec. cor. No trace of old cor. is found.

40.04 Falls 38 lks. S. of the old. cor. of secs. 23, 24, 25 and 26.

Returning to the  $\frac{1}{2}$  sec. cor. bet. secs. 23 and 26.

Thence I run

N.  $89^{\circ} 27'$  E. on a true line bet. secs. 23 and 26, E.  $\frac{1}{2}$ , along N. bdy. of P. I. R.

Over level land, through scattered mesquite; cactus and greasewood.

20.02 Proportional dist. for the E.  $\frac{1}{16}$  sec. cor. bet. secs. 23 and 26.

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

E  $\frac{1}{16}$  in W.  
S 23 in N.  
S 26 P I R 1915 in S.

From which a

Mesquite 6 ins. dia., brs. S.  $16\frac{1}{2}^{\circ}$  W., 173 lks. dist., mkd. E  $\frac{1}{16}$  S 26 P I R B T.Mesquite 6 ins. dia., brs. N.  $80\frac{1}{2}^{\circ}$  W., 90 lks. dist., mkd. E  $\frac{1}{16}$  S 23 B T.

40.04 Intersect the old cor. of secs. 23, 24, 25 and 26, which is a malpais 8 x 10 x 12 ins. above ground, well set and plainly mkd.

1 notch on E.  
P R and 2 notches on S.

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

T 15 S R 11 E in N.  
S 23 in NW.  
S 24 in NE.  
S 25 P I R in SE.  
S 26 P I R in SW.  
1915 in S.

No suitable 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.

(No trace of Chillson's old post which was set N. and alongside.)

Labd, level.

Soil 2 nd rate.

Timber, scattered mesquite, 40.04 chs.

Cactus and greasewood, 40.04 chs.

## Resurvey of

## North Boundary P. I. R., T. 15 S. R. 11 E.

## Chains

Thence E. on a random line bet. secs. 24 and 25.

20.00

Set temp. W. 1/16 sec. cor. No trace of old cor. is found.

40.06

Falls 33 lks. S. of old  $\frac{1}{4}$  sec. cor. bet. secs. 24 and 25.

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

Thence I run

N. 89° 32' E. on a true line bet. secs. 24 and 25, along N. bdy. of P. I. R.

Over level land, through scattered mesquite; cactus and greasewood.

20.03

Proportional dist. for the W. 1/16 sec. cor. bet. secs. 24 and 25.

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

W 1/16 in W.

S 24 in N.

S 25 P I R 1915 in S.

From which a

Mesquite 6 ins. dia., brs. N. 8° E., 251 lks. dist., mkd. W 1/16 S 24 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 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

40.06

Intersect the old  $\frac{1}{4}$  sec. cor. bet. secs. 24 and 25, which is a malpais 6 x 8 x 10 ins. above ground, well set and plainly mkd. -

$\frac{1}{4}$  on N. face.

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

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

S 24 in N.

S 25 P I R 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.

(No sign of Chillson's old post which was set N. and alongside of above stone.)

Land, level.

Soil, 2nd rate.

Timber scattered mesquite, 40.06 chs.

Cactus and greasewood, 40.06 chs.

Resurvey of

North Boundary P. I. R., T. 15 S., R. 11 E.

Chains	<p>Thence E. on a random line bet. secs. 24 and 25.</p> <p>20.00 Set temp. E. 1/16 sec. cor. No trace of old cor. is found.</p> <p>40.08 Falls 33 lks. S. of cor. of secs. 19, 24, 25 and 30, W. bdy. of tp. previously described.</p> <p>Returning to the 1/4 sec. cor. bet. secs. 24 and 25</p> <p>Thence I run</p> <p>N. 89° 32' E. on a true line bet. secs. 24 and 25, along N. bdy. of P. I. R.</p> <p>Over level land, through scattered mesquite; cactus and greasewood.</p> <p>20.04 Proportional dist. for the E. 1/16 sec. cor. bet. secs. 24 and 25.</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;">E 1/16 in W. S 24 in N. S 25 P I R 1915 in S.</p> <p>From which a</p> <p>Mesquite 8 ins. dia., brs. N. 84° E., 77 lks. dist., mkd. E 1/16 S 24 B T.</p> <p>Mesquite 6 ins. dia., brs. S. 33° E., 217 lks. dist., mkd. E 1/16 S 25 P I R B T.</p> <p>40.08 Intersect the cor. of secs. 19, 24, 25 and 30 on E. bdy. of tp. previously described.</p> <p>Land, level. Soil, 2nd rate. Timber, scattered mesquite, 40.08 chs. Cactus and greasewood, 40.08 chs.</p> <p style="text-align: right;">July 15, 1915.</p>
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Resurvey of

BOOK 3419

East Boundary T. 16 S., R. 11 E.

Chains

May 28, 1915. At 8h a.m., l.m.t., I set off 32° 00' on lat. arc, and 21° 22' N. on decl. arc, and determine a meridian with the solar at the cor. of Tps. 16 and 17 S., Rs. 11 and 12 E., previously described.

Thence I run

N. on a random line bet. secs. 31 and 36.

40.00 Set temp. 1/4 sec. cor. bet. secs. 31 and 36. No trace of old cor. is found.

80.00 Set temp. cor. of secs. 25, 30, 31 and 36. No trace of old cor. is found.

Continue N. on a random line bet. secs. 25 and 30.

40.90 Fall 31 lks. E. of the old 1/4 sec. cor.

Returning to the cor. of tps. 16 and 17 S., Rs. 11 and 12 E.

Thence I run

N. 0° 9' W. on a true line bet. secs. 31 and 36.

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

40.30 Proportional dist. for the 1/4 sec. cor. bet. secs. 31 and 36.

80.60 Proportional dist. for the cor. of secs. 25, 30, 31 and 36.

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

P I R T 16 S in N.  
R 11 E S 25 in NW.  
R 12 E S 30 in NE.  
S 31 in SE.  
S 36 in SW.  
1915 in S.

From which

Mesquite 6 ins. dia., brs. S. 69° W., 75 lks. dist.,  
mkd. T 16 S R 11 E S 36 B T.

Mesquite 12 ins. dia., brs. N. 25° W., 157 lks. dist.,  
mkd. T 16 S R 11 E S 25 P I R B T.

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, gently rolling  
Soil, 2nd rate.

Timber, scattered mesquite and palo verde, 80.60 chs.

## Resurvey of

East Boundary T 16 S., R. 11 E.

Chains	
	Thence N. 0° 9' W. on a true line bet. secs. 25 and 30.
	Descending over gently rolling land, through scattered mesquite, palo verde and cactus.
7.70	Wash, 20 lks. wide, course N. 30° E.
20.40	Road, brs. E. & W.
40.30	Intersect the old $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30, which is a mesquite 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., for stamped on cap
	$\frac{1}{4}$ in N. S 25 in W. S 30 in E. P I R 1915 in S.
	From which a
	Mesquite 4 ins. dia., brs. N. 4° E., 27 lks. dist., mkd. $\frac{1}{4}$ S 30 P I R B T.
	Mesquite 3 ins. dia., brs. <sup>N.</sup> 88 $\frac{1}{4}$ ° W., 95 lks dist., mkd. $\frac{1}{4}$ S 25 P I R B T.
	Land, gently rolling.
	Soil, 2nd and 3rd rate.
	Timber, scattered mesquite and palo verde, 40.30 chs.
	May 28, 1914. At this cor. I set off 21° 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.
40.00	Thence N. on a random line bet. secs. 25 and 30.
	Set temp. cor. of secs. 19, 24, 25 and 30. No trace of old cor. is found.
40.00	Thence N. on a random line bet. secs. 19 and 24.
	Set temp. $\frac{1}{4}$ sec. cor. bet. secs. 19 and 24. No trace of old cor. is found.
79.70	Fall 73 lks. E. of the old cor. of secs. 13, 18, 19 and 24.
	Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30
	Thence I run
	N. 0° 21' W. on a true line bet. secs. 25 and 30.
	Desc. over gently rolling land, through scattered mesquite, palo verde and cactus.
35.00	Wash, 15 lks. wide, course N. 30° W.

Resurvey of

East Boundary T.16 S., R. 11 E.

Chains	
39.90	<p>Proportional dist. for the cor. of secs. 19, 24, 25 and 30.</p> <p>Set an iron post 3 ins. dia., stamped on cap</p> <p style="text-align: center;">P I R T 16 S in N. R 11 E S 24 in NW. R 12 E S 19 in NE. S 30 in SE. S 25 in SW. 1915 in S.</p> <p>From which a</p> <p>Mesquite 4 ins. dia., brs. N. 59<math>\frac{1}{2}</math>° E., 34 lks. dist., mkd. T. 16 S. R 12 E S 19 P I R B T.</p> <p>Mesquite 12 ins. dia., brs. S. 5<math>\frac{1}{2}</math>° E., 133 lks. dist., mkd. T 16 S R 12 E S 30 P I R B T.</p> <p>Mesquite 12 ins. dia., brs. S. 40° W., 88 lks. dist., mkd. T 16 S R 11 E S 25 P I R B T.</p> <p>Palo verde 4 ins. dia., brs. N. 8<math>\frac{1}{2}</math>° W., 67 lks. dist., mkd. T 16 S R 11 E S 24 P I R B T.</p> <p>Land, gently rolling. Soil, 2nd and 3rd rate. Timber, scattered mesquite and palo verde, 39.90 chs.</p>
	<p>Thence N. 0° 21' W. on a true line bet. secs. 19 and 24.</p>
	<p>Desc. over gently rolling land, through scattered mesquite, palo verde and cactus.</p>
17.40	<p>Wash, 20 lks. wide, course N. 30° W.</p>
39.90	<p>Proportional dist. for the <math>\frac{1}{4}</math> sec. cor. bet. secs. 19 and 24.</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="text-align: center;"><math>\frac{1}{4}</math> in N. S 24 in W. S 19 in E. P I R 1915 in S.</p> <p>From which a</p> <p>Mesquite 4 ins. dia., brs. S. 30<math>\frac{1}{2}</math>° E., 1.37 chs. dist., mkd. <math>\frac{1}{4}</math> S 19 P I R B T.</p> <p>Mesquite 5 ins. dia., brs. N. 73<math>\frac{1}{2}</math>° W., 1.10 chs. dist., mkd. <math>\frac{1}{4}</math> S 24 P I R B T.</p>
79.80	<p>Intersect the old cor. of secs. 13, 18, 19 and 24, which is a mesquite post 4 ins. square, well set and plainly mkd. -</p> <p style="text-align: center;">T XVI S S XVIII on NE. R XII E S XIX on SE. R XI E S XXIV on SW. S XIII on NW.</p>

Resurvey of  
East Boundary T. 16 S., R. 11 E.

Chains

with 3 notches on N. & S. edges.

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

- P I R T 16 S in N.
- R 11 E S 13 in NW.
- R 12 E S 18 in NE.
- S 19 in SE.
- S 24 in SW.
- 1915 in S.

From which a

Mesquite 6 ins. dia., brs. S.  $60\frac{1}{2}^\circ$  W., 63 lks. dist.,  
mkd. T 16 S R 11 E S 24 P I R B T.

Mesquite 5 ins. dia., brs. N.  $60\frac{1}{2}^\circ$  W., 128 lks. dist.,  
mkd. T 16 S R 11 E S 13 P I R B T.

No other B. T.s available.

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

Land, gently rolling.

Soil, 2nd and 3rd rate.

Timber, mesquite and palo verde, 79.80 chs.

May 28, 1915.

May 29, 1915. At 8h a.m., l.m.t., I set off  $32^\circ$   
 $2\frac{1}{2}'$  on lat. arc, and  $21^\circ 31\frac{1}{2}'$  N. on decl. arc,  
and determine a meridian with the solar at the  
cor. of secs. 13, 18, 19 and 24.

Thence N. on a random line bet. secs. 13 and 18.

40.00 Set temp.  $\frac{1}{4}$  sec. cor. bet. secs. 13 and 18. No trace  
of old cor. is found.

80.00 Falls 54 lks. E. of the old cor. of secs. 7, 12,  
13 and 18.

Returning to the cor. of secs. 13, 18, 19 and 24,

Thence I run

N.  $0^\circ 23'$  W. on a true line bet. secs. 13 and 18.

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

14.00 Wash, 40 lks. wide, course N.  $30^\circ$  E.

18.70 Wash 20 lks. wide, course N.  $30^\circ$  E.

40.00 Proportional dist. for the  $\frac{1}{4}$  sec. cor. bet. secs.  
13 and 18.

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

Resurvey of  
East Boundary T. 16 S., R. 11 E.

Chains	
	<p> <math>\frac{1}{4}</math> in N.  S 13 in W.  S 18 in E.  P I R 1915 in S. </p> <p>From which a</p> <p>Mesquite 10 ins. dia., brs. E. 8 lks. dist.,  mkd. <math>\frac{1}{4}</math> S 18 P I R B T.</p> <p>Palo verde 4 ins. dia., brs. S. <math>74\frac{1}{2}^{\circ}</math> W., 186 lks. dist.,  mkd. <math>\frac{1}{4}</math> S 13 P I R B T.</p>
59.90	Wash, 50 lks. wide, course N. $30^{\circ}$ W.
80.00	<p>Intersect the old cor. of secs. 7, 12, 13 and 18,  which is a mesquite post 4 ins. square, well set  and plainly mkd. -</p> <p> T XVI S S VII on NE.  R XII E S XVIII on SE.  R XI E S XIII on SW.  S XII on NW. </p> <p>N. and alongside set an iron post 3 ins. dia.,  stamped on cap</p> <p> P I R T 16 S in N.  R 11 E S 12 in NW.  R 12 E S 7 in NE.  S 12 in SE.  S 13 in SW.  1915 in S. </p> <p>From which the old B. T. mkd. XII is</p> <p>Mesquite 10 ins. dia., brs. N. <math>22^{\circ}</math> W., 92 lks. dist.</p> <p>No other B. T.s available.</p> <p>Raise a mound of stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W.  of cor.</p> <p>Land, gently rolling.  Soil, 2nd rate, sandy.  Timber, mesquite and palo verde.</p>
40.04	<p>Thence N. on a random line bet. secs. 7 and 12.</p> <p>Falls 24 lks. E. of the point for the <math>\frac{1}{4}</math> sec. cor.  as established from old B. T.s</p> <p>Returning to the cor. of secs. 7, 12, 13 and 18,  Thence I run</p> <p>N. <math>0^{\circ} 21'</math> W. on a true line bet. secs. 7 and 12, S. <math>\frac{1}{4}</math>.</p> <p>Desc. over gently rolling land, through mesquite,  palo verde and cactus.</p>
39.30	Wash, 20 lks. wide, course NW.



Resurvey of

East Boundary T. 16 S., R. 11 E.

Chains

40.04

Intersect the point for the  $\frac{1}{4}$  sec. cor. bet. secs. 7 and 12, as established from old B. T.

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

$\frac{1}{4}$  in N.  
S 12 in W.  
S 7 in E.  
P I R 1915 in S.

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

Mesquite 12 ins. dia., brs. S. 3° E., 71 lks. dist.

To further perpetuate this cor. I take a new B. T. a

Mesquite 4 ins. dia., brs. S. 63 $\frac{1}{4}$ ° W., 63 lks. dist.,  
mkd.  $\frac{1}{4}$  S 12 P I R B T.

Land, gently rolling.

Soil, 2nd rate.

Timber, mesquite and palo verde.

May 29, 1915. At this cor. I set off 21° 33' 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.

40.57

Thence N. on a random line bet. secs. 7 and 12, N.  $\frac{1}{2}$ .

Fall 1.16 chs. W. of the point for the cor. of secs. 1, 6, 7 and 12, as established from old. B. T., which locates me over a post broken off flush with the ground, the old cor.

Returning to the  $\frac{1}{4}$  sec. cor. bet. secs. 7 and 12

Thence I run

N. 1° 40' E. on a true line.

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

40.59

Intersect the point for the cor. of secs. 1, 6, 7 and 12, established from old B. T.

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

P I R T 16 S in N.  
R 11 E S 1 in NW.  
R 12 E S 6 in NE.  
S 7 in SE.  
S 12 in SW.  
1915 in S.

From which the old B. T. plainly mkd. VI, well blazed above but marks obliterated, is a

Palo verde 8 ins. dia., brs. N. 14° E., 81 lks. dist.

I take the following new trees -

Mesquite 6 ins. dia., brs. S. 28° E., 260 lks. dist.,  
mkd. T 16 S R 12 E S 7 P I R B T.

Resurvey of

BOOK 3419

East Boundary T. 16 S., R. 11 E.

Chains

Mesquite 4 ins. dia., brs. S. 5° W., 40 lks. dist.,  
mkd. T 16 S R 11 E S 12 P I R B T.

Palo verde 6 ins. dia., brs. N. 84° W., 86 lks. dist.,  
mkd. T 16 S R 11 E S 1 P I R B T.

Land, gently rolling.  
Soil, 2nd rate.  
Timber, mesquite and palo verde.

40.37

Thence N. on a random line bet. secs. 1 and 6.

Fall 10 lks. E. of the point for the 1/4 sec. cor. bet.  
secs. 1 and 6 as established from old B. T.

Returning to the cor. of secs. 1, 6, 7 and 12.

Thence I run

N. 0° 9' W. on a true line, bet. secs. 1 and 6, S. 1/4.

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

4.50

Road, brs. NE. & SW. also,

Wash, 10 lks. wide, course NW.

40.37

Intersect point for the 1/4 sec. cor. bet. secs. 1 and 6,  
as established from old B. T.

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

1/4 in N.  
S 1 in W.  
S 6 in E.  
P I R 1915 in S.

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

Palo verde 8 ins. dia., brs. S. 45° E., 73 lks. dist.

I take a new tree -

Mesquite 6 ins. dia., brs. S. 37 1/2° W., 123 lks. dist.,  
mkd. 1/4 S 1 P I R B T.

Land, gently rolling.  
Soil, 2nd rate.  
Timber, mesquite and palo verde.

49.87

Thence N. on a random line bet. secs. 1 and 6, N. 1/4.

Falls 55 lks. E. of the re-established C. C. of  
secs. 1 and 6, on 3rd Standard Parallel S.

Returning to the 1/4 sec. cor. bet. secs. 1 and 6

Thence I run

N. 0° 38' W. on a true line bet. secs. 1 and 6.

Resurvey of  
East Boundary T. 16 S., R. 11 E.

Chains

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

49.87

Intersect the re-established C. C. of secs. 1 and 6,  
Tp. 16 S., Rs. 11 and 12 E., as previously describ-  
ed.

Land, gently rolling.  
Soil, 2nd rate.  
Timber, mesquite and palo verde.

May 29, 1915.

Resurvey of

South Boundary P. I. R. T. 16 S., R. 11 E.

Chains	<p>June 29, 1915. At 8h a.m., l.m.t., I set off 32° 1' on lat. arc, and 23° 16½' N. on decl. arc, and determine a meridian with the solar at the reestablished cor. of secs. 25, 30, 31 and 36, bet. Rs. 11 and 12 E., T. 16 S.</p> <p>Thence W. on a random line .</p> <p>20.00 Set temp. E. 1/16 sec. cor. No trace of old cor. is found.</p> <p>38.69 Falls 1.72 S. of the old ¼ sec. cor. bet. secs. 25 and 36.</p> <p>Returning to the cor. of secs. 25, 30, 31 and 36</p> <p>Thence I run</p> <p>N. 87° 27' W. on a true line bet. secs. 25 and 36, along S. bdy. of P. I. R.</p> <p>Over rolling land, through scattered mesquite, palo verde and cactus.</p> <p>4.60 Wash, 20 lks. wide, course NE.</p> <p>19.36 Proportional dist. for the E. 1/16 sec. cor. bet. secs. 25 and 36.</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;">E 1/16 in W. S 25 P I R in N. S 36 1915 in S.</p> <p>From which a</p> <p>Palo verde 6 ins. dia., brs. N. 3½° E., 9 lks. dist., mkd. E 1/16 S 25 P I R B T.</p> <p>Palo verde 3 ins. dia., brs. S. 45¼° W., 52 lks. dist., mkd. E 1/16 S 36 B T.</p> <p>33.70 Wash, 30 lks. wide, course N.</p> <p>38.73 Intersect the old ¼ sec. cor. bet. secs. 25 and 36, which is a mesquite post 3 ins. square, well set and plainly mkd. ¼ S on N. face.</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;">¼ in W. S 25 P I R in N. S 36 1915 in S.</p> <p>From which the old B. T. mkd. only ¼, is a</p> <p>Mesquite 12 ins. dia., brs. N. 12¾° W., 80 lks. dist.,</p> <p>I take a new B. T. which is a</p> <p>Palo verde 10 ins. dia., brs. S. 3° E., 74 lks. dist., mkd. ¼ S 36 B. T.</p> <p>Land, rolling. Timber, scattered mesquite &amp; palo verde, 38.73 chs. Soil, 3rd rate and rocky. Cactus, 38.73 chs.</p>
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Resurvey of  
South Boundary P. I. R., T. 16 S., R. 11 E.

Chains	
	Thence W. on a random line bet. secs. 25 and 36.
20.00	Set temp. W. 1/16 sec. cor. No trace of old cor. is found.
41.06	Fall 49 lks. N. of the old cor. of secs. 25, 26, 35 and 36.
	Returning to the 1/4 sec. cor. bet. secs. 25 and 36,
	Thence I run
	S. 89° 19' W. on a true line bet. secs. 25 and 36, W. 1/4 along S. bdy. of P. I. R.
	Over rolling land, through scattered mesquite, palo verde and cactus.
20.53	Proportional dist. 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
	Mesquite 6 ins. dia., brs. N. 66° E., 196 lks. dist., mkd. W 1/16 S 25 P I R B T.
	Mesquite 6 ins. dia., brs. S. 85 1/4° E., 114 lks. dist., mkd. W 1/16 S 36 B T.
22.90	Wash, 20 lks. wide, course N.
34.00	Road, brs. N. 75° E., and S. 75° W.
41.06	Intersect the old cor. of secs. 25, 26, 35 and 36, which is a mesquite post 4 ins. square, well set and plainly mkd.
	T XVI S S XXV on NE. R XI E S XXXVI P R on SE. S XXXV on SW. S XXVI on NW.
	N. and alongside set an iron post 3 ins. dia., stamped on cap
	T 16 S. R 11 E in N. S 26 in NW. S 25 in NE. S 36 in SE. S 35 in SW. 1915 in S.
	From which a
	Palo verde 6 ins. dia., brs. N. 48 1/4° E., 195 lks. dist., mkd. T 16 S R 11 E S 25 P I R B T.
	Mesquite 4 ins. dia., brs. S. 12 1/2° E., 145 lks. dist., mkd. T 16 S R 11 E S 36 B T.

Resurvey of

South Boundary P. I. R., T. 16 S., R. 11 E.

Chains

Palo verde 5 ins. dia., brs. S. 79° W., 90 lks. dist.,  
mkd. T 16 S R 11 E S 35 B T.

Mesquite 5 ins. dia., brs. N. 54° W., 461 lks. dist.,  
mkd. T 16 S R 11 E S 26 P I R B T.

From this cor.

Papago house brs. N. 51½° W., about 6.00 chs. dist.

Papago house brs. N. 60½° W., about 7.00 chs. dist.

Land, rolling.

Soil, 3rd rate and rocky.

Timber, scattered mesquite and palo verde, 41.06 chs.

Cactus, 41.06 chs.

Thence W. on a random line bet. secs. 26 and 35.

20.00 Set temp. E. 1/16 sec. cor. No trace of old cor.  
is found.

40.00 Set temp. ¼ sec. cor. No trace of old cor. is  
found.

60.00 Set temp. W. 1/16 sec. cor. No trace of old cor.  
is found.

80.16 Falls 54 lks. N. of old cor. of secs. 26, 27, 34  
and 35.

Returning to the cor. of secs. 25, 26, 35 and 36

Thence I run

S. 89° 37' W. on a true line bet. secs. 26 and 35,  
along S. bdy. of P. I. R.

Ascend through mesquite, palo verde and cactus.

6.90 Wash, 20 lks. wide, course N. Begin ascent of small mt.

9.40 Fence, brs. N. & S.

18.00 Top of small mt., brs. N. & S. Desc.

20.04 Proportional dist. for the E. 1/16 sec. cor. bet.  
secs. 26 and 35. The point falls in side of large  
boulder, impossible to set.

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

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

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

26.00 Foot of W. slope of mt.

Thence over rolling land.

Resurvey of

South Boundary P. I. R., T. 16 S., R. 11 E.

Chains

39.40 Wash, 10 ;ls. wide, course N.

40.08 Proportional dist. for the 1/4 sec. cor. bet. secs. 26 and 35.

Set an iron post 1 in. 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 5"ins. dia., brs. N. 43 1/2° E., 125 lks. dist.,  
mkd. 1/4 S 26 P I R B T.

Mesquite 6 ins. dia., brs. S. 63° W., 30 lks. dist.,  
mkd. 1/4 S 35 B T.

49.00 Fence, brs. N. & S.

54.30 Wash, 15 lks. wide, course N.

60.12 Proportional dist. for the W. 1/16 sec. cor. bet. secs. 26 and 35.

Set an iron post 1 in. dia., 12 ins. in ground, stamped on cap

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

No B. T.s available.

Raise a mound of stone 2 ft. base, 1 1/2 ft. high, around corner

63.50 Wash, 5 lks. wide, course NE.

80.16 Intersect the old cor. of secs. 26, 27, 34 and 35, which is a volcanic stone 20 x 20 x 30 ins. well set in a mound of stone.

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

T 16 S R 11 E P I R in N.  
S 27 in NW.  
S 26 in NE.  
S 35 in SE.  
S 34 in SW.  
1915 in S.

No B. T.s available.

Therefore, I set an iron post 4 ins. in ground on solid rock with mound of stone around.

Land, mountainous, 26.00 chs.; rolling 54.16 chs. Soil, rocky 4th rate. Timber, scattered mesquite and palo verde.

June 29, 1915. At this cor. I set off 23° 16 1/2' 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.

Resurvey of

South Boundary P.I.R., T.16 S., R. 11 E.

Chains.	<p>W. on a random line bet. secs. 27 and 34.</p> <p>19.80 Falls 97 lks. N. of the old E. 1/16 sec. cor.</p> <p>Returning to the cor. of secs. 26, 27, 34 and 35</p> <p>I run</p> <p>S. 87° 12' W. on a true line bet. secs. 27 and 34 on the S. bdy. of P. I. R.</p> <p>Over heavy rolling land through scattered mesquite, palo verde and cactus.</p> <p>5.00 Wash, 30 lks. wide, course N.</p> <p>18.00 Begin steep ascent of E. slope of rocky ridge.</p> <p>19.82 Intersect the old E. 1/16 sec. cor. which is a volcanic stone 20 x 14 x 12 ins. above ground, well set and plainly mkd.</p> <p style="padding-left: 40px;">P. R. 1/16 on N. face.</p> <p>N. and alongside set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;">E 1/16 in W. S 27 P I R in N. S 34 1915 in S.</p> <p>No B. T.s available.</p> <p>Cor. set 6 ins. in ground on solid rock with mound of stone around.</p> <p>Land, heavy rolling. Soil, rocky 4th rate. Timber, scattered mesquite and palo verde, 19.82 chs. Cactus, 19.82 chs.</p>
20.12	<p>Thence W. on a random line bet. secs. 27 and 34.</p> <p>Fall 1 lk. N. of the old 1/4 sec. cor.</p> <p>Returning to the E. 1/16 sec. cor. bet. secs. 27 and 34.</p> <p>Thence I run</p> <p>S. 89° 58' W. on a true line bet. secs. 27 and 34, along S. bdy. of P. I. R.</p> <p>Over heavy rolling land, through scattered mesquite palo verde and cactus.</p> <p>2.90 Top of ascent, brs. N. &amp; S. Thence over level land.</p> <p>6.80 Begin desc. of W. slope of rocky ridge.</p> <p>12.00 Foot of descent, brs. N. &amp; S. Thence gently rolling.</p> <p>20.12 Intersect the old 1/4 sec. cor. which is a volcanic stone 12 x 10 x 10 ins. above ground, well set and plainly mkd.</p> <p style="padding-left: 40px;">1/4 S P R on N. face.</p>



Resurvey of

South Boundary P. I. R., T. 16 S. R. 11 E.

Chains

N. and alongside I 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 ( I take new trees) a

Mesquite 8 ins. dia., brs. S. 25 1/4° W., 61 lks. dist.,  
1/4 S 35 B T.

Mesquite 5 ins. dia., brs. S. 66 1/2° W., 91 lks. dist.,  
1/4 S 27 P I R B T.

Land, rolling.  
Soil, rocky 4th rate.  
Timber, scattered mesquite and palo verde, 20.12 chs.  
Cactus, 20.12 chs.

20.00

Thence W. on a random line bet. secs. 27 and 34.

Set temp. W. 1/16 sec. cor. No trace of old cor. is found.

40.00

Fall 12 lks. N. of the old cor. of secs. 26, 27, 33 and 34.

Returning to the 1/4 sec. cor. bet. secs. 27 and 34.

Thence I run

S. 89° 50' W. on a true line bet. secs. 27 and 34, along S. bdy. of P. I. R., over rolling land, through scattered mesquite, palo verde and cactus.

2.30

Wash, 30 lks. wide, course N. 60° W.

5.90

Road, brs. N. 60° W. and S. 60° E.

20.00

Proportional dist. for the W. 1/16 sec. cor. bet. secs. 27 and 34.

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

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

Cor. set in solid rock with mound of stone around.

No B. T.s available.

26.30

Wash, 10 lks. wide, course NE.

40.00

Intersect 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 S XXVII P R on NE.  
R XI E S XXXIV on SE.  
S XXXIII on SW.  
S XXVIII on NW.

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

Resurvey of

South Boundary P. I. R., T. 16 S., R. 11 E.

Chains

T 16 S R 11 E. in N.  
 S 28 in NW.  
 S 27 S W cor. P I R in NE.  
 S 34 in SE.  
 S 33 in SW.  
 1915 in S.

From which (I take new trees) a

Mesquite 8 ins. dia., brs. N. 49° E., 120 lks. dist.,  
 T 16 S R 11 E S 27 SW cor P I R B T.

Palo verde 5 ins. dia., brs. S. 20½° E., 250 lks. dist.,  
 T 16 S R 11 E S 34 B T.

Palo verde 6 ins. dia., brs. S. 79¾° W., 165 lks. dist.,  
 T 16 S R 11 E S 33 B T.

Mesquite 8 ins. dia., brs. N. 21½° W., 52 lks. dist.,  
 T 16 S R 11 E S 28 B T.

Also from which a granite boulder 32 x 48 x 24 ins.  
 above ground (in place) brs. N. 47¾° E., 92 lks. dist.,  
 mkd. XXVII.

Land, rolling.  
 Soil, rocky 3rd rate.  
 Timber, Mesquite and palo verde, 40.00 chs.  
 Cactus, 40.00 chs.

June 29, 1915.

Resurvey of

West Boundary P. I. R., T. 16 S. R. 11 E.

Chains	
	<p>June 30, 1915. At 8h a.m., l.m.t., I set off 32° 1' on lat. arc, and 23° 14' N. on decl. arc, and determine a meridian with the solar at the cor. of secs. 27, 28, 33 and 34, previously described.</p> <p>Thence N. on a random line bet. secs. 27 and 28.</p>
20.00	Set temp. S. 1/16 sec. cor. No trace of old cor. is found.
40.00	Set temp. 1/4 sec. cor. No trace of old cor. is found.
60.00	Set temp. N. 1/16 sec. cor. No trace of old cor. is found.
80.00	Set temp. cor. of secs. 21, 22, 23 and 24.
<hr style="border-top: 1px dashed black;"/>	
	<p>Thence N. on a random line bet. secs. 21 and 22.</p>
20.00	Set temp. S. 1/16 sec. cor. No trace of old cor. is found.
40.00	Set temp. 1/4 sec. cor. No trace of old cor. is found.
60.00	Set temp. N. 1/16 sec. cor. No trace of old cor. is found.
79.24	<p>Fall 1.20 chs. E. of the old cor. of secs. 15, 16, 21 and 22.</p> <p>(This W. boundary of P. I. R., not being dependent upon any subdivision and also being surveyed as frac. tp. bdy. for that portion of T. 16 S., R. 11 E., I establish cors. on same on line and at proportional dist. bet. found corners. The bearing from the cor. of secs. 27, 28, 33 and 34 will therefore be N. 0° 26' W.; and lengths of miles = 79.62 chs.</p> <p>Thence returning to the cor. of secs. 27, 28, 33 and 34, I run</p> <p>N. 0° 26' W. on a true line bet. secs. 27 and 28, along W. bdy. of P. I. R.</p> <p>Desc. gradually over gently rolling land, through scattered mesquite and palo verde and cactus.</p>
1.00	Wash, 20 lks. wide, course NE.
11.30	Road, brs. N. 30° E., and S. 30° W.
19.90	Proportional dist. for the S. 1/16 sec. cor. bet. secs. 27 and 28.
	<p>Set an iron post 1 in. dia., stamped on cap</p> <p style="text-align: center;">1/16 in N. S 28 in W. S 27 P I R in E. 1915 in S.</p> <p>From which a</p>

Resurvey of

West Boundary P. I. R., T. 16 S., R. 11 E.

Chains

Mesquite 6 ins. dia., brs. N. 56½° E., 353 lks. dist.,  
mkd. S. 1/16 S 27 P I R B T.

Palo verde 20 ins. dia., brs. N. 81½° W., 146 lks. dist.,  
mkd. S 1/16 S 28 B T.

39.81 Proportional dist. for the ¼ sec. cor. bet. secs.  
27 and 28.

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

¼ in N.  
S 28 in W.  
S 27 P I R in E.  
1915 in S.

From which a

Mesquite 4 ins. dia., brs. S. 87° E., 50 lks. dist.,  
mkd. ¼ S 27 P I R B T.

Palo verde 6 ins. dia., brs. N. 52° W., 76 lks. dist.,  
mkd. ¼ S 28 B T.

59.71 Proportional dist. for the N. 1/16 sec. cor. bet.  
secs. 27 and 28.

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

N 1/16 in N.  
S 28 in W.  
S 27 P I R in E.  
1915 in S.

From which a

Mesquite 12 ins. dia., brs. S. 33° E., 90 lks. dist.,  
mkd. N 1/16 S 27 P I R B T.

Mesquite 7 ins. dia., brs. S. 64° W., 38 lks. dist.,  
mkd. N 1/16 S 28 B T.

79.62 Proportional dist. for the cor. of secs. 21, 22, 27  
and 28.

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

T 16 S R 11 E in N.  
S 21 in NW.  
S 22 P I R in NE.  
S 27 P I R in SE.  
S 28 in SW.  
1915 in S.

No B. T.s available.

Dig pits 1 x 18 x 12 ins. in each sec. 5½ ft. dist.;  
and raise a mound of earth 3½ ft. base, 1½ ft. high,  
W. of cor.

Land, gently rolling.  
Soil, 2nd rate, sandy.  
Timber, scattered mesquite and palo verde, 79.62 chs.  
Cactus, 79.62.

Resurvey of

BOOK 3419

West Boundary P. I. R., T. 16 S., R. 11 E.

Chains	
	Continue N. 0° 26' W. on a true line bet. secs. 21 and 22, along W. bdy. of P. I. R., gradually descending over gently rolling land, through mesquite, palo verde and cactus.
19.90	Proportional dist. for the S. 1/16 sec. cor. bet. secs. 21 and 22.  Set an iron post 1 in. dia., stamped on cap  1/16 in N. S 21 in W. S 22 P I R in E. 1915 in S.  Mesquite 8 ins. dia., brs. N. 14° E., 157 lks. dist., mkd. S 1/16 S 22 P I R B T.  Mesquite 10 ins. dia., brs. S. 79° W., 260 lks. dist., mkd. S 1/16 S 21 B T.
29.00	Wash, 20 lks. wide, course NW.
39.30	Wash, 1 ch. wide, course NW.
39.81	Proportional dist. for the 1/4 sec. cor. Point falls in edge of wash, impracticable to set.
40.01	Set iron post 1 in. dia., for the W. C. to the 1/4 sec. cor. bet. secs. 21 and 22 (20 lks. N. 0° 26' W. from true point) stamped on cap  1/4 in N. S 21 in W. S 22 P I R in E. WC 1915 in S.  From which a  Mesquite 4 ins. dia., brs. S. 56° E., 99 lks. dist., mkd. WC 1/4 S 22 P I R B T.  Palo verde 10 ins. dia., brs. N. 59° W., 15 lks. dist., mkd. WC 1/4 S 21 B T.  Seeing that true point for the N. 1/16 sec. cor. will also fall in a wash, impracticable to set.
59.51	Set an iron post 1 ins. dia., for the W. C. to N. 1/16 sec. cor. bet. secs. 21 and 22 (20 lks. S. 0° 26' E. from point for true cor.) stamped on cap  WC 1/16 in N. S 21 in W. S 22 P I R in E. 1915 in S.  From which a  Mesquite 4 ins. dia., brs. N. 82 1/2° E., 56 lks. dist., mkd. WC 1/16 S 22 P I R B T.  Mesquite 4 ins. dia., brs. N. 51 1/2° W., 79 lks. dist., mkd. WC 1/16 S 21 B T.
59.71	True point for the N. 1/16 sec. cor.  Wash, 30 lks. wide, course NW.

Resurvey of

West Boundary P. I. R., T. 16 S., R. 11 E.

Chains		
79.62	<p>Intersect the old cor. of secs. 15, 16, 21 and 22, which is a mesquite post 4 ins. square well set and properly mkd.,</p> <p style="text-align: center;">T XVI S S XV P R on NE. R XI E S XXII on SE. S XXI on SW. S XVI on NW.</p> <p>with 3 notches in S. and 3 in N. edges.</p> <p>N. and alongside set an iron post 3 ins. dia., stamped on cap</p> <p style="text-align: center;">T 16 S R 11 E in N. S 16 in NW. S 15 P I R in NE. S 22 P I R in SE. S 21 in SW. 1915 in S.</p> <p>From which (I take new trees) a</p> <p>Palo verde 6 ins. dia., brs. N. 88° E., 90 lks. dist., mkd. T 16 S R 11 E S 15 P I R B T.</p> <p>Mesquite 12 ins. dia., brs. S. 57½° E., 124 lks. dist., mkd. T 16 S R 11 E S 22 P I R B T.</p> <p>Palo verde 10 ins. dia., brs. S. 30° W., 244 lks. dist., mkd. T 16 S R 11 E S 21 B T.</p> <p>Palo verde 5 ins. dia., brs. N. 86¼° W., 142 lks. dist., mkd. T 16 S R 11 E S 16 B T.</p> <p>Land, gently rolling. Soil, 2nd rate and sandy. Timber, mesquite and palo verde, 79.62 chs. Cactus, 79.62 chs.</p>	
20.00	Thence N. on a random line bet. secs. 15 and 16.	
40.00	Set temp. S. 1/16 sec. cor. No trace of old cor. is found.	
60.00	Set temp. ¼ sec. cor. No trace of old cor. is found.	
80.00	Set temp. N. 1/16 sec. cor. No trace of old cor. is found.	
20.00	Continue N. on a random line bet. secs. 9 and 10.	
40.00	Set temp. S. 1/16 sec. cor. No trace of old cor. is found.	
60.00	Set temp. ¼ sec. cor. No trace of old cor. is found.	
	Set temp. N. 1/16 sec. cor. No trace of old cor. is found.	

Resurvey of  
West Boundary P. I. R., T. 16 S. R. 11 E.

BOOK 3419

Chains	
79.72	Fall 1.35 chs. E. of the point for the cor. of secs. 3, 4, 9 and 10, as established from old B. T.s
<hr style="border-top: 1px dashed black;"/>	
	Returning to the cor. of secs. 15, 16, 21 and 22
	Thence I run
	N. 0° 29' W. on a true line bet. secs. 15 and 16, along W. bdy of P. I. R.
	Desc. over gently rolling land, through mesquite, palo verde and cactus.
7.20	Wash, 5 lks. wide, course NW.
19.96	Proportional dist. for the S. 1/16 sec. cor. bet. secs. 15 and 16.
	Set an iron post 1 in. dia., stamped on cap
	<p style="margin-left: 40px;">1/16 in N.        S 16 in W.        S 15 P I R in E.        1915 in S.</p>
	From which a
	Mesquite 20 ins. dia., brs. N. 74½° E., 250 lks. dist., mkd. S 1/16 S 15 P I R B T.
	Mesquite 4 ins. dia., brs. N. 3½° W., 76 lks. dist., mkd. S 1/16 S 16 B T.
22.70	Wash, 20 lks. wide, course NW.
39.93	Proportional dist. for the ¼ sec. cor. bet. secs. 15 and 16.
	Set an iron post 1 in. dia., stamped on cap,
	<p style="margin-left: 40px;">¼ in N.        S 16 in W.        S 15 P I R in E.        1915 in S.</p>
	From which a
	Mesquite 6 ins. dia., brs. S. 28° E., 37 lks. dist., mkd. ¼ S 15 P I R B T.
	Mesquite 8 ins. dia., brs. N. 50° W., 58 lks. dist., mkd. ¼ S 16 B T.
	June 30, 1915. At this cor. I set off 23° 13' 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.
<hr style="border-top: 1px dashed black;"/>	
59.89	Proportional dist. for the N. 1/16 sec. cor. bet. secs. 15 and 16.

Resurvey of

BOOK 3419

West Boundary P. I. R., T. 16 S. R. 11 E.

Chains

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

1/16 in N.  
S 16 in W.  
S 15 P I R in E.  
1915 in S.

From which a

Palo verde 8 ins. dia., brs. N. 54° E., 125 lks. dist.,  
mkd. N. 1/16 S 15 P I R B T.

Mesquite 4 ins. dia., brs. N. 10 1/2° W., 92 lks. dist.,  
mkd. N. 1/16 S 16 B T.

79.86

Proportional dist. for the cor. of secs. 9, 10, 15  
and 16.

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

T 16 S R 11 E in N.  
S 9 in NW.  
S 10 P I R in NE.  
S 15 P I R in SE.  
S 16 in SW.  
1915 in S.

From which a

Mesquite 4 ins. dia., brs. N. 89 1/2° E., 105 lks. dist.,  
mkd. T 16 S R 11 E S 10 P I R B T.

Mesquite 6 ins. dia., brs. S. 18 1/4° E., 150 lks. dist.,  
mkd. T 16 S R 11 E S 15 P I R B T.

Mesquite 8 ins. dia., brs. S. 27 1/2° W., 205 lks. dist.,  
mkd. T 16 S R 11 E S 16 B T.

Mesquite 4 ins. dia., brs. N. 63 1/4° W., 160 lks. dist.,  
mkd. T 16 S R 11 E S 9 B T.

Land, gently rolling.  
Soil, 2nd rate and sandy.  
Timber, mesquite and palo verde, 79.86 chs.  
Cactus, 79.86 chs.

Continue N. 0° 29' W. on a true line bet. secs. 9  
and 10, along W. bdy. of P. I. R.

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

1.80

Wash, 15 lks. wide, course NW.

19.96

Proportional dist. for the S. 1/16 sec. cor. bet.  
secs. 9 and 10.

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

1/16 in N.  
S 9 in W.  
S 10 P I R in E.  
1915 in S.



Resurvey of

West Boundary P. I. R., T. 16 S., R. 11 E.

Chains	
	<p>From which a</p> <p>Mesquite 6 ins. dia., brs. S. 58<math>\frac{1}{2}</math><math>^{\circ}</math> E., 39 lks. dist., mkd. S 1/16 S 10 P I R B T.</p> <p>Mesquite 6 ins. dia., brs. S. 89<math>\frac{1}{2}</math><math>^{\circ}</math> W., 9 lks. dist., mkd. S 1/16 S 9 B T.</p>
21.30	Wash, 20 lks. wide, course N. 30 $^{\circ}$ W.
39.93	Proportional dist for the $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10. Point falls in wash 10 lks. wide, course N. 10 $^{\circ}$ E. from S. 10 $^{\circ}$ E.
	Therefore, at
40.93	Set a W. C. to the $\frac{1}{4}$ sec. cor. bet. secs. 9 and 10, stamped on cap
	<p><math>\frac{1}{4}</math> in N. S 9 in W. S 10 P I R in E. 1915 W C in S.</p>
	From which a
	<p>Palo verde 8 ins. dia., brs. N. 28<math>\frac{1}{2}</math><math>^{\circ}</math> E., 108 lks. dist., mkd. <math>\frac{1}{4}</math> S 10 P I R B T.</p> <p>Palo verde 5 ins. dia., brs. N. 57<math>\frac{1}{2}</math><math>^{\circ}</math> W., 120 lks. dist., mkd. <math>\frac{1}{4}</math> S 9 B T.</p>
45.20	Wash, 10 lks. wide, course N. 15 $^{\circ}$ W.
59.89	Proportional dist. for the N. 1/16 sec. cor. bet. secs. 9 and 10.
	Set an iron post 1 in. dia., stamped on cap
	<p>1/16 in N. S 9 in W. S 10 P I R in E. 1915 in S.</p>
	From which a
	<p>Palo verde 6 ins. dia., brs. N. 82<math>\frac{1}{2}</math><math>^{\circ}</math> E., 67 lks. dist., mkd. 1/16 S 10 P I R B T.</p> <p>Palo verde 8 ins. dia., brs. N. 89<math>\frac{1}{2}</math><math>^{\circ}</math> W., 120 lks. dist., mkd. N. 1/16 S 9 B T.</p>
79.86	Intersect point for the cor. of secs. 3, 4, 9 and 10, as established from old B. T.s
	Set an iron post 3 ins. dia., stamped on cap
	<p>T 16 S R 11 E in N. S 4 in NW. S 3 P I R in NE. S 10 P I R in SE. S 9 in SW. 1915 in S.</p>
	From which the old B. T. mkd. only "III" is a
	Palo verde 10 ins. dia., brs. $\overset{N}{\wedge}$ 45 $^{\circ}$ E., 100 lks. dist.

Resurvey of

BOOK 3419

West Boundary P. I. R., T. 16 S., R. 11 E.

Chains

New B. T.s

Mesquite 5 ins. dia., brs. S. 69½° E., 170 lks. dist.,  
mkd. T 16 S R 11 E S 10 P I R B T.

Palo verde 8 ins. dia., brs. S. 38½° W., 151 lks. dist.,  
mkd. T 16 S R 11 E S 9 B T.

Palo verde 5 ins. dia., brs. N. 73½° W., 170 lks. dist.,  
mkd. T 16 S R 11 E S 4 B T.

Land, gently rolling.  
Soil, 2nd rate, sandy.  
Timber, mesquite and palo verde 79.86 chs.  
Cactus, 79.86 chs.

90.06

Thence N. on a random line bet. secs. 3 and 4.  
Falls 47 lks. E. of the old C. C. of secs. 3 and 4,  
on 3rd Standard Parallel, previously described.

Returning to the cor. of secs. 3, 4, 9 and 10

Thence I run

N. 0° 18' W. on a true line bet. secs. 3 and 4,  
along W. bdy. P. I. R.

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

20.04

Proportional dist. for the S. 1/16 sec. cor. bet.  
secs. 3 and 4.

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

1/16 in N..  
S 4 in W.  
S 3 P I R in E.  
1915 in S.

From which a

Palo verde 4 ins. dia., brs. S. 67½° E., 156 lks. dist.,  
mkd. S 1/16 S 3 P I R B T.

Mesquite 5 ins. dia., brs. N. 13° W., 23 lks. dist.,  
mkd. S 1/16 S 4 B T.

22.90

Wash, 15 lks. wide, course N. 30° W.

38.80

Wash, 20 lks. wide, course N. 30° W.

40.08

Proportional dist for the ¼ sec. cor. bet. secs. 3  
and 4.

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

¼ in N.  
S 4 in W.  
S 3 P I R in E.  
1915 in S.

From which a

Resurvey of

West Boundary P. I. R., T. 16 S. R 11 E.

Chains

Mesquite 5 ins. dia., brs. <sup>S.</sup> 32 $\frac{1}{4}$ ° E., 70 lks. dist.,  
mkd.  $\frac{1}{4}$  S 3 P I R B T.

Mesquite 10 ins. dia., brs. S. 68 $\frac{3}{4}$ ° W., 48 lks. dist.,  
mkd.  $\frac{1}{4}$  S 4 B T.

49.10 Wash, 20 lks. wide, course NW.

60.12 Proportional dist. for the N. 1/16 sec. cor. bet.  
secs. 3 and 4.

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

1/16 in N.  
S 4 in W.  
S 3 P I R in E.  
1915 in S.

From which a

Palo verde 5 ins. dia., brs. S. 53 $\frac{1}{4}$ ° E., 228 lks. dist.,  
mkd. N 1/16 S 3 P I R B T.

Palo verde 6 ins. dia., brs. S. 48 $\frac{3}{4}$ ° W., 169 lks. dist.,  
mkd. N 1/16 S 4 B T.

90.06 Intersect the C. C. of secs. 3 and 4 on 3rd Standard  
Parallel, previously described.

Land, gently rolling.  
Soil, 2nd rate and sandy.  
Timber, mesquite and palo verde, 90.06 chs.  
Cactus, 90.06 chs.

June 30, 1915.

## Resurvey Portion of the East Boundary T. 16 S., R. 12 E.

(Santa Cruz Guide Meridian)

BOOK 3419

Chains	April 24, 1915. At 8h a.m., L. M. T. I set off $32^{\circ} 5'$ on lat. arc, and $12^{\circ} 39'$ N. on decl. arc, and determine a meridian with the solar at the old $\frac{1}{4}$ sec. cor. of secs. 25 and 30 on the east boundary of T. 16 S; R. 12 E., which is a post 3 ins. square, well set and plainly mkd. $\frac{1}{4}$ on W.
	Thence
40.00	South on a random line bet. secs. 25 and 30. Set temp. cor. of secs. 25, 30, 31 and 36. No trace of old cor. is found.
	Continue south bet. secs. 31 and 36.
80.00	Set temp. $\frac{1}{4}$ sec. cor. No trace of old cor. is found.
120.00	Fall 1.54 chs. E. of the old cor. of tps. 16 and 17 S., Rs. 12 and 13 E., which is mesquite post 4 ins. square, with 6 notches in N., E., S. and W., in slight elevation, mkd. signs of pits E., W. and S., conforming in location to the original description.
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	Thence from the cor. of tps. 16 and 17 S., Rs. 12 and 13 E., above described.
	N. $0^{\circ} 44'$ E. on a true line bet. secs. 31 and 36. Over rolling land, through mesquite, palo verde and cactus.
10.10	Wash, 20 lks. wide, course NE.
20.00	Wash, 40 lks. wide, course NE.
38.50	Wash, 20 lks. wide, course NE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.
43.30	Road, bears E. and W.
69.70	Wash, course NE.
80.00	Proportional dist. for the cor. of secs. 25, 30, 31 and 36.
	Set an iron post 3 ins. dia., stamped on cap
	P I R T 16 S in N. R 12 E S 25 in NW. R 13 E S 30 in NE. S 31 in SE. S 36 in SW. 1915 in S.
	No B. Ts. available.
	Dig pits 18x18x12 ins. in each secs. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
	Land, rolling.
	Soil, 3rd. rate and sandy.
	Timber, mesquite and palo verde, 80.00 chs.
	Cactus, 80.00 chs.
	The old $\frac{1}{4}$ sec. cor. of secs. 25 and 30 bears N. $0^{\circ} 44'$ E., 40.00 chs. dist.
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Denver, Colo., June 27-1916

I hereby certify that the resurvey of the foregoing township exterior lines 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. Drimmond*

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Topographer in Charge of  
Indian Surveys.



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BOOK 3419

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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 \_\_\_\_\_ township exteriors and reservation boundary lines, 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, Commissioner of the General Land Office

I certify that the foregoing transcript of the field notes of the above-described surveys in Papago Indian Res'n, Ariz., 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