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2696

Book "C"
Resurveys.

BOOK 2696

FIELD NOTES

OF THE ^{re-} SURVEY OF THE

First Standard Parallel South, through Ranges 14, 15 and 16 West.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

W. H. Thorn,

In the capacity of U. S. Surveyor, under instructions dated February 26, 1913, issued by the United States Surveyor General to govern surveys included in Group No. 28, which were approved by the Commissioner of the General Land Office, March 12, 1913, pursuant to authority contained in the Act of Congress dated August 23, 1912.

Re-Survey commenced June 4, 1913.

Re-Survey completed June 17, 1913.

382

INDEX DIAGRAM.


Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

INDEX ~ DIAGRAM ~ Book "C" Group 28 ~
BOOK 2696

BOOK 2696

T.5 S. R. 12 W.

<p>  Book C (this book) Book A Book B Book D </p> <p>T. 4 S. R. 16 W.</p>	<p>T. 4 S. R. 15 W.</p>	<p>T. 4 S. R. 14 W.</p>	<p>T. 4 S. R. 13 W.</p>
<p>T. 5 S. R. 16 W.</p>	<p>T. 5 S. R. 15 W.</p>	<p>T. 5 S. R. 14 W.</p>	<p>T. 5 S. R. 13 W.</p>
<p> ³¹15 ³²15 ³³14 ³⁴14 ³⁵13 ³⁶13 </p>	<p> ³¹11 ³²10 ³³9 ³⁴9 ³⁵8 ³⁶7 </p>	<p> ³¹6 ³²5 ³³4 ³⁴3 ³⁵2 ³⁶1 </p>	<p> <i>First Standard</i> <i>Parallel South</i> </p>

First

Resurvey of 1st. Stand. Parallel S., thro. Range 14 West.

Chains	Resurvey commenced June 4, 1913, and executed with a Young and Sons' light mountain transit No. 8592, with Smith 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 latitude and decl. arcs.
	The instrument was examined and tested on the true meridian at Phoenix, Arizona, found correct and approved by the Surveyor-General.
	June 4, 1913. At 8h Om. a.m., l.m.t., I set off 32° 56½' N. on the lat. arc; and 22° 25½' N. on the decl. arc, and determine a meridian with the solar at the old standard cor. of T. 5 S., Rs. 13 and 14 W., G. & S. R. B. & M. (For description of cor. see notes of W. K. Kierulff, in Book "D").
40. 18	Thence I run, West, on a random line, along south bdy. of sec. 36. Fall 3 lks. north of old standard ¼ sec. cor., which is a post, decayed, pits and mound visible; from which, A palo verde, 4 ins. in diam., brs. N. 80° 30' W., 136 lks., marked ¼ S.
	I destroy all trace of this old cor., and reestablished as follows: Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, in place of the old post, for standard ¼ sec. cor., with brass cap, marked S C ¼ S 36 on N. half, and 1913 on S. half; dig pits 18x18x12 ins. E. and W. of cor., 3½ ft. dist., and raise a mound of earth 3½ ft. base. 1½ ft. high, N. of cor.
21. 16	Set over this corner, and run west on random line, W. ¼ mile. Old closing cor. of secs. 1 and 2, T. 6 S., R. 14 W. bears S 6½ lks. Old post rotted off at top of ground, mound and pits visible. Destroy all traces of old C C, and reestablish it as follows:
	I set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, in place of old post, for C C secs. 1 and 2, T 6 S., R. 14 W., with brass cap, marked T 6 S S 2 in SW., R 14 W S 1 in SE. quadrants; C C near center, 1913 on S. half; dig pits 24x18x12 ins., E. and W. 4 ft. and 7 ft. S. of cor., and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor. Continue random line west from ¼ sec. cor.
40. 18	Fall 13 lks. N. of old standard cor. of secs. 35 and 36, which is a post badly decayed; find charred stake in mound in good state of preservation, from which, A palo verde, 6 ins. in diam., bears N. 36° 15' E. 213 lks. dist.; marks are grown over. Destroy old cor., and reestablish as follows:
	I set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground in place of old post for S. C. of secs. 35 and 36, with brass cap, marked, S C on N. half, T 5 S S 35 in NW., and R 14 W S 36 in NE. quadrant; 1913 on S. edge of cap; dig pits 24 x 18 x 12 ins., E. and W. 4 ft. dist., and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of corner.
	I return to the standard corner of T. 5 S., Rs. 13 and 14 W., described in Book "D". Thence I run, S. 89° 57' W., on true line, along south bdy. of sec. 36. Over level land, through greasewood brush, 2 to 6 ft. high.
40. 18	The reestablished standard ¼ sec. cor. hereinbefore described.
21. 16	Thence I run, S. 89° 49' W., on true line, W. ¼ mile S. bdy. sec. 36. The reestablished closing cor. to secs. 1 and 2, T. 6 S., R. 14 W., hereinbefore described.
40. 18	The reestablished standard cor. of secs. 35 and 36, hereinbefore described. Land, level. Sandy soil, grease wood brush and palo verde timber.

Resurvey of 1st. Stand. Parallel South, thro. Range 14 West.

- Chains
40.15 West, on a random line, along south bdy. of sec. 35.
Fall 3 lks. north of old standard $\frac{1}{4}$ sec. cor., which is a decayed post and a trace of old mound and pits; from which,
A palo verde, 8 ins. in diam, brs. S. 61° W., 182 lks. dist., marked $\frac{1}{4}$ S B T.
Destroy old cor., and reestablish as follows:
I set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground, at same point, for standard $\frac{1}{4}$ sec. cor., with brass cap, marked
S C $\frac{1}{4}$ S 35 on N. half; and
1913 on S. half;
dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
From $\frac{1}{4}$ sec. cor., I run
21.16 West, on random line, $W\frac{1}{2}$ mile, south bdy. of sec. 35.
Old closing cor. of secs. 2 and 3, T. 6 S., R. 14 W., bears S. 17 links dist., which is a decayed post in mound of earth 6 ins. high, 2 ft. base; pits plain. Destroy old cor., and set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, in place of old post, for re-established closing cor. of secs. 2 and 3, T. 6 S., R. 14 W., with brass cap, marked
T 6 S, S 3 in SW, and
R 14 W S 2 in SE. quadrants;
C C near center, and
1913 on S. half;
dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. 3 ft., and S. of post 7 ft., and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.
Note: At this cor. I set off $22^{\circ}26\frac{1}{2}'$ N. on decl. arc, and at noon, observe the sun on the meridian; the resulting latitude is $32^{\circ}56\frac{1}{2}'$ N. Continue random line west from $\frac{1}{4}$ sec. cor.
40.16 Fall 20 lks. north of old standard cor. of secs. 34 and 35, which is a post badly worm eaten; find charred stake in mound in good condition. Destroy old cor., and set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, in place of old post for reestablished standard cor. of secs. 34 and 35, with brass cap, marked
S C on N. half;
T 5 S S 34 in NW., and
R 14 W S 35 in NE. quadrants;
1913 on S. half;
dig pits 24x18x12 ins. crosswise on each line, E. and W., 3 ft. dist., and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor., from which, the old bearing trees bear as follows:
A palo verde, 3 ins. in diam, brs. N. 36° E., 110 lks. dist., marks grown over.
A palo verde, 3 ins. in diam, bears N. 32° W., 78 lks. dist., marks obliterated.
SW. bearing trees dead.
I return to the reestablished standard cor. secs. 35 and 36.
Thence I run,
S. $89^{\circ}57'$ W., on a true line, along south bdy. of sec. 35
Over level land, through greasewood brush and scattering palo verde timber.
40.15 The reestablished standard $\frac{1}{4}$ sec. cor. hereinbefore described. Thence I run
S. $89^{\circ}43'$ W., on true line, $W\frac{1}{2}$ mile, S. bdy. sec. 35.
21.16 The reestablished closing cor. of secs. 2 and 3, T. 6 S., R. 14 W. bears S. $6\frac{1}{2}$ lks.
40.16 The reestablished standard cor. of secs. 34 and 35.
Land level, sandy soil, greasewood brush.
Scattering palo verde timber.

Resurvey of the 1st. Stand. Parallel South, thru. Range 14 W.

Chains
40.16 West, on a random line, along south bdy. sec. 34.
Fall 2 lks. north of old standard $\frac{1}{4}$ sec. cor., which is an old decayed post in mound of earth; pits are visible. Destroy this old cor., and set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, in place of old post, for reestablished standard $\frac{1}{4}$ sec. cor., with brass cap, marked
S C $\frac{1}{4}$ S 34 in N. half; and
1913 on S. half;
dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of post; from which
A palo verde, 8 ins. in diam., brs. N.16°E., 237 lks., marked $\frac{1}{4}$ S.

21.00 From $\frac{1}{4}$ sec. cor., I run,
West, on a random line, W $\frac{1}{2}$ mile, south bdy. sec. 34.
Fall 2 lks. N. of old closing cor. of secs. 3 and 4, T. 6 S., R. 14 W., which is a decayed post in mound; pits visible.
Destroy old cor., and set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground in place of old post, for reestablished closing cor. of secs. 3 and 4, T. 6 S., R. 14 W., with brass cap, marked
T 6 S S 4 in SW., and
R 14 W S 3 in SE. quadrants,
C C near center, and
1913 on S. half of cap,
dig pits 24x18x12 ins. crosswise on each line N. and S. of cor. 3 ft. dist., and S. 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of post.

40.08 Fall 3 lks. N. of old standard cor. of secs. 33 and 34, which is a post in mound of earth, post badly worm eaten.
Destroy old cor., and set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, in place of old post, for reestablished standard cor. of secs. 33 and 34, with brass cap, marked
S C on N. half;
T 5 S S 33 in NW., and
R 14 W S 34 in NE. quad., and
1913 on S. half;
dig pits, 24x18x12 ins., crosswise on each line E. and W. 3 ft., and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.
I return to the reestablished standard cor. of secs. 34 and 35.
Thence I run,
S. 89°58' W., on a true line, along south bdy. of sec. 34, over level land, through greasewood brush and scattering palo verde timber.

40.16 The reestablished standard $\frac{1}{4}$ sec. cor. hereinbefore described.
Thence I run,
S. 89°57' W., on true line, W $\frac{1}{2}$ mile, S. bdy. sec. 34.

21.00 The reestablished closing cor. of secs. 3 and 4, T. 6 S., R. 14 W., hereinbefore described.

40.08 The reestablished standard cor. of secs. 33 and 34, hereinbefore described.
Land level, sandy soil, greasewood brush, scattering palo verde timber.
No grass. June 4, 1913.

June 6, 1913: At 9h. 0m. a. m., l. m. t., I set off 32°56 $\frac{1}{2}$ ' N. on lat. arc, and 22°39' N. on decl. arc, and determine a meridian with the solar, at the reestablished standard cor. of secs. 33 and 34.

40.24 Thence I run,
West, on a random line, along south bdy. of sec. 33.
Fall 9 lks. N. of old standard $\frac{1}{4}$ sec. cor., which is a mound of earth 2 ft. base, 6 ins. high; dig in center of mound, and find old charred stake; old pits are visible.
Destroy old cor., and set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, at same point, for re-

Resurvey of 1st. Stand. Parallel South, thru. Range 14 West.

Chains established standard $\frac{1}{4}$ sec. cor. sec. 33, with brass cap, marked
 S C $\frac{1}{4}$ S 33 on N. half, and
 1913 on S. half;
 dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist.,
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.
 of cor.

20.90 From this $\frac{1}{4}$ sec. cor., I run
 West, on random line, west $\frac{1}{4}$ mile, S. bdy. sec. 33.
 Fall 4 lks. S. of old closing cor. of secs. 4 and 5, T. 6
 S., R. 14 W., which is a mound of earth 3 ft. base, 6
 ins. high, with old decayed post in it, witnessed by
 two bearing trees.
 A palo verde, 8 ins. in diam., brs. S. 87° E., 319
 lks. dist.,
 A palo verde, 6 ins. in diam., brs. S. 7° 30' W.,
 217 lks. dist.

40.11 Destroy old cor., and at same point set an iron post, 3 ft.
 long, 2 ins. in diam., 24 ins. in the ground, for re-
 established cor. of secs. 4 and 5, with brass cap,
 marked
 T 6 S S 4 in SE., and
 R 14 W S 5 in SW. quadrants;
 C C near center, and
 1913 on S. half;
 dig pits 24x18x12 ins., crosswise on each line, E. and W.
 of cor. 3 ft. dist., and S. of cor. 7 ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.

40.11 Fall 4 lks. south of old std. cor. of secs. 32 and 33,
 which is a mound of earth 2 ft. base, 6 ins. high, with
 old decayed post and charred stake in mound. Destroy
 old cor., and set an iron post 3 ft. long, 3 ins. in
 diam., 24 ins. in the ground, at same point.
 Knowing from long chaining of this old line that closing
 cors. will be required in the subdivision of T. 5 S.,
 R. 14 W., I mark A.P. on N. half of brass cap, and
 1913 on S. half; and dig pits 18x24x12 ins. crosswise
 on each line, E. and W. 3 ft. and 7 ft. N. of cor., and
 raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.
 I return to the reestablished cor. of secs. 33 and 34.
 Thence I run,
 S. $89^{\circ}52'$ W., on true line, along south bdy. of sec. 33,
 over level land, through greasewood brush and scatter-
 ing palo verde and ironwood timber.

40.24 Reestablished standard $\frac{1}{4}$ sec. cor., hereinbefore describ-
 ed. Thence I run,
 N. $89^{\circ}57'$ W. on true line, W. $\frac{1}{4}$ mile, south bdy. of sec. 33.

20.90 The reestablished closing cor. of secs. 4 and 5, T. 6 S., R.
 14 W. bears N. 2 lks.

40.11 Angle point, formerly standard cor. of secs. 32 and 33,
 hereinbefore described.
 Land, level.
 Sandy soil; no grass, greasewood brush; scattering palo
 verde and ironwood timber.

40.10 West, on random line, along south bdy. of sec. 32.
 Fall 2 lks. south of old standard $\frac{1}{4}$ sec. cor., which is
 a mound of earth 2 ft. base, 6 ins. high, with old post
 and charred stake in mound.
 Destroy old cor. and establish angle point by setting an
 iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
 ground, at same point, with brass cap, marked
 A P on N. half; and
 1913 on S. half;
 dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist.,
 and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 N. of corner. From A.P. above described, I run
 West, on random line W $\frac{1}{4}$ mile.

21.13 Intersect old closing cor. of secs. 5 and 6, T. 6 S.,
 R. 14 W., which is a mound of earth 3 ft. base, 6 ins.
 high, with old decayed post in it. Destroy old cor.,
 and reestablish as follows:

Resurvey of 1st. Stand. Parallel South, thru. Range 14 West.

Chains I set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, at same point, for closing cor. of secs. 5 and 6, T. 6 S., R. 14 W., with brass cap, marked T 6 S S 5 in SE., and R 14 W S 6 in SW. quadrants; C C near center, and 1913 on S. half near edge.

40.16 Dig pits 24x18x12 ins., crosswise on each line, E. and W. 3 ft. and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor. Continue random line west.

40.16 Fall 5 links N. of old standard cor. of secs. 31 and 32, which is a mound of earth, 2 ft. base, 6 ins. high with old decayed post and charred stake in mound. Destroy old cor., and establish angle point, by setting an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, at same point, with brass cap, marked, A P on N. half, and 1913 on S. half.

40.10 Dig pits 24x18x12 ins., crosswise on each line, E. and W. of cor. 3 ft. and 7 ft. N. of cor.; and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor. I return to A.P. formerly standard cor. of secs. 32 and 35. Thence I run, N. 89° 58' W., on a true line, along south bdy. of sec. 32. Over level land, through greasewood brush and scattering palo verde and ironwood.

40.16 Angle point, formerly standard 1/4 sec. cor., hereinbefore described. Thence I run, S. 89° 56' W., on true line, W. 1/2 mile, S. bdy. sec. 32.

2.15 Dim wagon road, brs. NW. and SE.

21.13 Reestablished closing cor. of secs. 5 and 6, T. 6 S., R. 14 W., hereinbefore described.

40.16 Angle point, formerly standard cor. of secs. 31 and 32, hereinbefore described. Land, level; sandy soil, greasewood brush, and scattering palo verde and ironwood.

Note: At the A.P., formerly standard cor. of secs. 31 and 32, I set off 22° 39 1/2' N. on the decl. arc, and at noon, observe the sun on the meridian; the resulting latitude is 32° 56 1/2' N.

40.11 Thence I run, West, on a random line, along south bdy. of sec. 31. Fall 18 lks. N. of old standard 1/4 sec. cor., which is a mound of earth, 2 ft. base, 6 ins. high, with old post and charred stake in mound. Destroy old cor. and reestablish an angle point as follows: I set an iron post, 3 ft. long, 1 in. in diam., 26 ins., in the ground, at same point, with brass cap, marked A P on N. half; and 1913 on S. half; dig pits 18 x 18 x 12 ins., E. and 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. From this A.P. I run West on a random line, W. 1/2 mile, S. bdy. sec. 31.

19.17 Old closing cor. of T. 6 S., Rs. 14 and 15 W. (brs. N. 6 links dist.) which is a mound of earth 3 ft. base, 8 ins. high, with old post in it. Destroy old C C, and reestablish in same place as follows: I set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for closing cor. of Ts. 6 S., Rs. 14 and 15 W., with brass cap, marked, C C near center of S. half; T 6 S R 14 W S 6 in SE. quadrant; R 15 W S 1 in SW. quadrant; T 5 S in N. half; R 14 W S 31 in NE. quadrant; R 15 W, S 36 in NW. quadrant; dig pits 30x24x18 ins. crosswise on each line, E. and

Resurvey of 1st. Stand. Parallel South, thru. Range 14 West.

- Chains W. of cor. 4 ft., and 8 ft. S. of cor., and raise a mound of earth 5 ft. base, 2½ ft. high, S. of cor.
- 40.21 Continue random line west from A.P. (old stand. ¼ sec. cor.)
Fall 5 lks. south of old standard cor. of Ts. 5 S., Rs. 14 and 15 W., which is a mound of earth, 2½ ft. base, 6 ins. high, with old decayed post and charred stake; pits visible. Destroy old standard Tp. cor., and reestablish as follows:
I set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, at same point, for standard cor. of Ts. 5 S., Rs. 14 and 15 W., with brass cap, marked
T 5 S in N. half;
R 14 W S 31 in NE., and
R 15 W S 36 in NW. quadrants;
1913 on S. half;
dig pits, 30x24x18 ins. crosswise on each line E. and W. of cor. 4 ft., and N. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, 2½ ft. high, N. of cor.
I return to angle point, formerly standard cor. of secs. 31 and 32, hereinbefore described.
Thence I run
S. 89° 45' W., on a true line, along south bdy. of sec. 31. Over level land, through greasewood brush.
- 40.11 Angle point formerly standard ¼ sec. cor., hereinbefore described.
Thence I run,
N. 89° 56' W., on a true line, W. ½ mile S. bdy. of sec. 31.
- 19.17 Reestablished closing cor. of Ts. 6 S., Rs. 14 and 15 W., bears N. 3½ lks.
- 40.21 Reestablished standard cor. of Ts. 5 S., Rs. 14 and 15 W., hereinbefore described.
Land, level.
Sandy soil.
Greasewood brush.
Scattering palo verde and ironwood timber.
June 6, 1913.
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- June 11, 1913. At 10h. Om. a. m., l. m. t., I set off 32° 56½' N., on lat. arc; 23° 05½' N. on the decl. arc, and determine a meridian with the solar at the reestablished standard cor. of Ts. 5 S., Rs. 14 and 15 W., hereinbefore described.
Thence I run
West, on a random line, along south bdy. of sec. 36, T. 5 S., R. 15 W.
- 40.11 Fall 22 lks. N. of old stand. ¼ sec. cor., which is a mound of earth 3 ft. base, 4 ins. high, with old post and charred stake. Pits are visible. Destroy old cor. and reestablish as follows:
I set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, at same point, with brass cap, marked,
S C ¼ S 36 on N. half; and
1913 on S. half;
dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
- 19.12 From this cor, I run,
West, on random line, W. ½ mile, S. bdy. of sec. 36.
Fall 2 lks. S. of old closing cor. of secs. 1 and 2, T. 6 S., R. 15 W., which is a mound of earth, 3 ft. base, 6 ins. high, pits plain; old post in mound. Destroy old cor., and reestablish as follows:
I set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, at same point, with brass cap, marked
C C near center S. half;
T 6 S S 2 in SW., and
R 15 W S 1 in SE. quadrants;
1913 on S. edge of cap,
dig pits 24x18x12 ins. crosswise on each line, E. and W. of cor. 3 ft., and 7 ft. S. of cor., and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.
Continue random line west from ¼ sec. cor.

Resurvey of 1st. Stand. Parallel South, thru, Range 15 West.

Chains

40.18

Fall 1 link S. of old stand. cor. of secs. 35 and 36, which is a mound of earth 3 ft. base, 6 ins. high, with old post and charred stake in mound. Post broken off. Destroy old cor. and reestablish as follows:

I set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, at same point, with brass cap, marked T 5 S S 35 in NW., and R 15 W S 36 in NE. quadrants; 1913 on S. edge of cap,

dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft., and N. of cor. 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

I return to the reestablished stand. cor. of Ts. 5 S., Rs. 14 and 15 W., hereinbefore described.

Thence I run

S. 89° 41' W., on a true line, along south bdy. of sec. 36 Over level land, through greasewood brush.

40.11

The reestablished standard $\frac{1}{4}$ sec. cor., hereinbefore described.

Thence I run

N. 89° 59' W., on a true line, W. $\frac{1}{2}$ mile, S. bdy. of sec. 36.

19.12

Reestablished closing cor. of secs. 1 and 2, T. 6 S., R. 15 W., brs. N. $1\frac{1}{2}$ lks.

40.18

Reestablished standard cor. of secs. 35 and 36, hereinbefore described.

Land, level; sandy soil.

Greasewood brush 4 to 6 ft. high.

Note: At the reestablished standard cor. of secs. 35 and 36, I set off 23° 06' N. on the decl. arc, and at noon, observe the sun on the meridian; the resulting lat. is 32° 56 $\frac{1}{2}$ ' N.

Thence I run,

West, on a random line along south bdy. of sec. 35.

40.13

F all 15 lks. N. of old stand. $\frac{1}{4}$ sec. cor., which is a mound of earth, 2 ft. base, 6 ins. high, with old post in mound, from which

A palo verde brs. N. 65 $\frac{1}{2}$ ° E., 177 lks. dist., in good condition.

S. E. tree destroyed. Destroy old cor., and reestablish as follows:

I set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, at same point, with brass cap, marked,

S C $\frac{1}{4}$ S 35 in N. half; and

1913 on S. half;

dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

From $\frac{1}{4}$ sec. cor., I run

West, on random line, west half mile S. bdy. sec. 35.

18.68

Fall 4 lks. N. of old closing cor. of secs. 2 and 3, T. 6 S., R. 15 W., which is a mound of earth 3 ft. base, 6 ins. high, part of old post in mound.

Destroy old C C, and reestablish in same place, by setting an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, with brass cap, marked

T 6 S S 3 in SW., and

R 15 W S 2 in SE., quadrants;

C C near center of cap, and

1913 on S. half near S. edge.

Dig pits 24x18x12 ins., crosswise on each line, E. and W. 3 ft., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.

Continue random line west from reestablished standard $\frac{1}{4}$ sec. cor.

40.07

Fall 11 lks. N. of old standard cor. of secs. 34 and 35, which is a mound of earth 3 ft. base, 4 ins. high, with old post and charred stake in mound.

Destroy old cor., and reestablish as follows:

I set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, at same point, with brass cap, marked

Resurvey of 1st Stand, Parallel South, thru Range 15 West.

Chains	<p>T 5 S S 34 in NW., and R 15 W S 35 in NE. quadrants; 1913 on S. half; dig pits 24x18x12 ins. crosswise on each line, E. and W. of cor. 3 ft. dist., and N. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor. I return to the reestablished std. cor. of secs. 35 and 36. hereinbefore described. Thence I run S. 89° 47' W., on a true line, along south bdy. of sec. 35. Over level land, through greasewood brush and scattering palo verde and ironwood timber.</p>
13.00	Dim wagon road brs. N. and S.
40.13	Reestablished standard $\frac{1}{4}$ sec. cor. hereinbefore described. Thence S. 89° 51' W., on a true line, W. $\frac{1}{4}$ mile, S. bdy. sec. 35.
15.00	A wash, 15 lks. wide, course south.
18.68	Reestablished closing cor. secs. 2 and 3, T. 6 S., R. 15 W., hereinbefore described, brs. S. 1 lk.
22.50	A wash, 6 lks. wide, course south.
40.07	The reestablished standard cor. of secs. 34 and 35, hereinbefore described. Land, level. Sandy soil; greasewood brush. Scattering palo verde and ironwood timber. No grass. From the above cor., Squaw Peak bears N. 27° 40' W. Castle Dome brs. N. 64° 35' W.
40.19	<p>West, on a random line, along south bdy. of sec. 34. Fall 24 lks. N. of old standard $\frac{1}{4}$ sec. cor., which is a mound of earth, 2 ft. base, 3 ins. high, with old post and charred stake in mound. Pits visible. Destroy old cor., and establish Angle Point as follows: I set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, at same point; as this distance is 68 lks. over the 2$\frac{1}{4}$ miles, I mark brass cap, A P on N. half; and 1913 on S. half; dig pits 18x18x12 ins. E. and W. of cor., 3 ft. dist., and raise a mound of earth, 3$\frac{1}{2}$ ft. base, 1$\frac{1}{2}$ ft. high, north of the cor. From the above described A.P., I run West, on a random line, W. $\frac{1}{4}$ mile, south bdy. sec. 34.</p>
18.65	<p>Intersect old closing of secs. 3 and 4, T. 6 S., R. 15 W., which is a mound of earth 2 ft. base, 4 ins. high; old post in mound decayed; from which A palo verde, 8 ins. in diam., brs. S. 67° W., 114 lks. dist. Destroy old C C, and reestablish as follows: I set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, at same point, for closing cor. of secs. 3 and 4, T. 6 S., R. 15 W., with brass cap, marked C C near center in S. half; T 6 S S 4 in SW., and R 15 W S 3 in SE. quadrants; 1913 on S. half; of cap near edge. Dig pits, 18x24x12 ins., crosswise on each line, E. and W. of cor. 3 ft. dist., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor. Continue random line west.</p>
40.04	<p>Fall 25 lks. N. of old standard cor. of secs. 33 and 34, which is a mound of earth, 3 ft. base, 4 ins. high; old post and charred post in mound. Pits visible. Destroy old cor., and establish angle point as follows; I set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, at same point, with brass cap, marked A P on N. half; and 1913 on S. half; dig pits, 24x18x12 ins., crosswise on each line, E. and W. of cor. 3 ft., and 7 ft. N. of corner, and raise a</p>

Resurvey of 1st Stand, Parallel South, thru Range 16 West.

Chains mound of earth 4 ft. base, 2 ft. high, N. of cor.
I return to the reestablished stand, cor. of secs. 34 and 35,
hereinbefore described.
Thence I run,
S. 89° 39' W., on a true line, along south bdy. of sec. 34,
over level land, through greasewood brush 4 to 6 ft.
high.

40.19 Angle point, formerly standard $\frac{1}{4}$ sec. cor., hereinbefore
described.
Thence I run,
S. 89° 39' W., on a true line, W $\frac{1}{2}$ mile, south bdy. sec. 34.

18.65 Reestablished closing cor. of secs. 3 and 4, T. 6 S., R.
15 W., bears N. 12 lks.

19.75 A wash, 8 lks. wide, 3 ft. deep, course south.

21.10 A wash, 30 lks. wide, 3 ft. deep, course south.

23.20 A wash, 10 lks. wide, course south.

Timber along banks of washes, palo verde and ironwood.

40.04 Angle point, formerly standard cor. of secs. 33 and 34,
hereinbefore described.
Land, level, sandy soil, greasewood brush 4 to 6 ft. high
June 11, 1913.

June 12, 1913: At 9h. 0m. a. m., l. m. t., I set off 32° 56 $\frac{1}{2}$ '
N. on the lat. arc; and 23° 09 $\frac{1}{2}$ ' N. on the decl. arc, and
determine a meridian with the solar at angle point, form-
erly stand. cor. of secs. 33 and 34, hereinbefore described.

Thence I run,
West, on a random line, along south bdy. of sec. 33.

40.16 Fall 2 lks. north of old standard $\frac{1}{4}$ sec. cor., which is
an ironwood stake, in good state of preservation, marked
S C on N. face, witnessed by mound of earth 2 ft. base,
4 ins. high, around post; also charred stake in mound.
Destroy old cor., and establish angle point as follows:
I set an iron post, 3 ft. long, 1 in. in diam., 26 ins.
in the ground, at same point, with brass cap, marked,
A P on N. half; and
1913 on S. half.
Dig pits 18x18x12 ins. E. and W. of cor., 3 ft. dist.,
and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N.
of cor.

From above described A.P., I run,
West, on random line, west half mile, S. bdy. sec. 33.

19.06 Fall 5 lks. S. of old closing cor. of secs. 4 and 5, T. 6
S., R. 15 W., which is a mound of earth, 3 ft. base, 4
ins. high; old post decayed in mound.

Destroy old cor., and reestablish as follows:
I set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.
in the ground, at same point, with brass cap, marked
C C near center of S. half;
T 6 S S 5 in SW.,
R 15 W S 4 in SE. quadrants;
1913 on S. edge of cap on top;
dig pits 24x18x12 ins., crosswise on each line, E. and
W. of cor., 3 ft., and 7 ft. S. of cor., and raise a
mound of earth, 4 ft. base, 2 ft. high, S. of corner.

40.12 Fall 5 lks. north of old standard cor. of secs. 32 and 33,
which is an ironwood post, 2 feet above the ground,
in mound of earth 3 ft. base, 6 ins. high. Pits visible.
Destroy old cor., and establish angle point as follows:
I set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.
in the ground, in place of old post, with brass cap,
marked,
A P on N. half, and
1913 on S. half;
dig pits 24 x 18 x 12 ins., crosswise on each line, E.
and W. of cor. 3 ft. and 7 ft. dist. N. of cor., and
raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.
I return to angle point, formerly standard cor. secs. 33.
and 34.

Thence I run,
S. 89° 58' W., on a true line, along south bdy. of sec. 33.

Resurvey of 1st Stand, Parallel South, thru Range 15 West.

Chains	Over level land, through greasewood brush.
7.30	Telephone line from King Mines to Mohawk, Arizona, brs. N. 20° W., and S. 20° E.
40.16	Angle point, formerly standard $\frac{1}{4}$ sec. cor., hereinbefore described. Thence I run, S. 89° 56' W., on true line, on W. half mile, south bdy. of sec. 33.
8.20	Wagon road from King Mines to Mohawk, bears N. 20° W., and S. 20° E.
19.06	Reestablished closing cor. of secs. 4 and 5, T. 6 S., R. 15 W., bears S. 7 lks.
32.30	A wash, 25 lks. wide, 4 ft. deep, course south.
40.12	Angle point, formerly standard cor. of secs. 32 and 33, hereinbefore described. Land, level adobe soil, and sandy soil. Greasewood brush, scattering palo verde and ironwood timber. No grass.

40.06	West, on a random line, along south bdy. of sec. 32. Fall 6 lks. S. of the old standard $\frac{1}{4}$ sec. cor., which is an ironwood stake, 2 ft. high, in mound of earth, in good state of preservation; also charred stake in mound. Destroy old cor., and establish angle point as follows: I set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, in place of old cor., with brass cap, marked, A P on N. half; 1913 on S. half; dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. From above described A. P., I run, West, on random line W. $\frac{1}{2}$ mile south bdy of sec. 32.
17.97	Fall 8 lks. north of old closing cor. of secs. 5 and 6, T 6 S R 15 W., which is an old post, in mound of earth 3 ft. base, 4 ins. high. Pits visible. Destroy old cor., and reestablish as follows: I set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, in place of old post; brass cap, marked C C near center on south half; T 6 S S 6 in SW., and R 15 W S 5 in SE. quadrants; 1913 on S. half of cap; dig pits 24x18x12 ins., crosswise on each line, E. and W. 3 ft., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, S. of corner.
40.03	Fall 11 lks. north of old standard cor. of secs. 31 and 32 which is an ironwood post 2 ft. above ground, marked with 5 notches on E. and 1 notch on W. edges. Destroy old cor. and establish angle point as follows: I set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, in place of old post, with brass cap, marked, A P on N. half; 1913 on S. half; dig pits 24x18x12 ins., crosswise on each line, E. and W. of cor. 3 ft., and N. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor. I return to the angle point, formerly standard cor. of secs. 32 and 33, hereinbefore described. Thence I run, N. 89° 55' W., on a true line, along south bdy. of sec. 32.
20.10	Over level land, through greasewood brush.
40.06	A wash, 8 lks. wide, course S. 10° E. Angle point, formerly standard $\frac{1}{4}$ sec. cor. hereinbefore described. Thence I run, S. 89° 51' W., on true line, W. $\frac{1}{2}$ mile, south bdy. sec. 32.
12.90	A wash, 40 lks. wide, 4 ft. deep, course S. 10° E.
17.97	Reestablished closing cor. of secs. 5 and 6, T. 6 S., R. 15 W.,

Resurvey of 1st Stand Parallel South thru Range 15 West

Chains
36.90 hereinbefore described, bears S. 3 lks.
40.03 A wash, 30 lks. wide, 4 ft. deep, course S. 15° E.
Angle point, formerly standard cor. of secs. 31 and 32,
hereinbefore described.
Land level.
Adobe soil, greasewood brush 4 to 6 ft. high.
Scattering palo verde and ironwood timber.
No grass.

40.05 West, on a random line, along south bdy. of sec. 31.
Fall 10 lks. N. of old standard $\frac{1}{4}$ sec. cor., which is a
mound of earth 3 ft. base, 4 ins. high, with old post
and charred stake in mound.
Destroy old cor., and establish angle point as follows:
I set an iron post, 3 ft. long, 1 in. in diam., 26 ins.
in the ground, in place of old post, for angle point,
with brass cap, marked,
A P on N. half;
1913 on S. half;
dig pits, 18x18x12 ins., E. and W. of corner 3 ft.
dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
high, N. of cor.
From above described A.P., I run,
West, on random line, W. $\frac{1}{2}$ mile, S. bdy. sec. 31.
16.35 Fall 4 lks. S. of old closing cor. of Ts. 6 S., Rs. 15 and
16 W., which is a post badly decayed, in mound of earth
3 ft. base, 4 ins. high. Pits visible.
Destroy old cor., and reestablish as follows:
I set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
the ground, in place of old post, with brass cap,
marked,
T 5 S on N. half;
R 15 W S 31 in NE., and
R 16 W S 36 in NW. quadrants,
C C near center on south half;
T 6 S R 16 W S 1 in SW., and
R 15 W S 6 in SE. quadrants;
1913 on S. edge of cap;
dig pits, 30x24x12 ins., crosswise on each line, E. and
W. of cor. 4 ft., and S. of cor., 8 ft. dist., and raise
a mound of earth 5 ft. base, 2 $\frac{1}{2}$ ft. high, S. of cor.
Continue random line west, from A.P. (old stand. $\frac{1}{4}$ sec. cor.)
40.11 Fall 5 lks. N. of the old stand. cor. of Ts. 5 S., Rs. 15
and 16 W., which is a post, worm eaten in mound of earth,
4 ft. base, 6 ins. high. Pits visible. Destroy old
cor., and reestablish as follows:
I set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.
in the ground, in place of old post, with brass cap,
marked,
T 5 S R 16 W S 36 in NW., and
R 15 W S 31 in NE., quadrants;
1913 on S. edge of cap;
dig pits, 30x24x12 ins. crosswise on each line, E. and
W. of cor. 4 ft., and N. of cor., 8 ft. dist., and raise
a mound of earth, 5 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
From which,
An ironwood; brs. N. 45° E., 189 links, marked
T 5 S R 15 W S 31 B T. (tree 6 ins. in diam.)
An ironwood 8 ins. in diam., brs. S. 89° 30' E., 672 links
dist., marked B T. (old bearing tree).
I return to the angle point, formerly standard cor. secs.
31 and 32, hereinbefore described.
Thence I run,
S. 89° 51' W., on a true line, along south bdy. of sec. 31.
Over level land, through greasewood brush.
.30 A wash, 25 lks. wide, 2 ft. deep, course south.
5.50 A wash, 30 lks. wide, 3 ft. deep, course south.
7.70 A wash, 40 lks. wide, 2 ft. deep, course S. 15° E.
23.00 A wash, 25 lks. wide, 2 ft. deep, course south.
40.05 Angle point, formerly standard $\frac{1}{4}$ sec. cor., hereinbefore
described.
Thence I run,

Retracement of 1st Stand. Parallel South, thru Range 16 West.

Chains	S. 89° 56' W., on true line, W. $\frac{1}{2}$ mile, S. bdy. sec. 31.
16.35	Reestablished closing cor. of Ts. 6 S., Rs. 15 and 16 W., bears N. 6 lks.
40.11	Reestablished standard cor. of Ts. 5 S., Rs. 15 and 16 W., hereinbefore described.
	Land, level.
	Sandy soil, 50.00 chs. 30.16 chs. adobe soil.
	Greasewood brush 4 to 6 ft. high, scattering palo verde and ironwood timber along washes.
	No grass. June 12, 1913.

	June 12, 1913. From the reestablished standard cor. of Ts. 5 S., R. 15 and 16 W., hereinbefore described, I run, West, on a random line, 1st Standard Parallel South, through Range 16 West.
40.14	Intersect old standard $\frac{1}{4}$ sec. cor., which is a mound of earth, 3 ft. base, 3 ins. high, with old post and charred stake.
80.00	Set temp. cor. of secs. 35 and 36.
80.25	80.25 Old standard cor. of secs. 35 and 36, brs. S. 24 links, which is a mound of earth, 4 ft. base, 8 ins. high, with old post and charred stake in it.
	I continue random line west along south bdy. of sec. 35.
120.00	Set temp. $\frac{1}{4}$ sec. cor.
120.44	Fall 37 lks. N. of old standard $\frac{1}{4}$ sec. cor., which is a post in mound of earth, 4 ft. base, 8 ins. high; pits visible, but old witness tree dead.
160.00	Set temp. cor. of secs. 34 and 35.
160.65	Fall 53 lks. north of old standard cor. of secs. 34 and 35, which is an ironwood post, 3 ft. high, 4 ins. square, in mound of earth 4 ft. base, 8 ins. high, witnessed by bearing trees.
	Continue random line west, along south bdy. of sec. 34.
200.00	Set temp. $\frac{1}{4}$ sec. cor.
200.69	Fall 61 lks. north of old standard $\frac{1}{4}$ sec. cor., which is a post in mound of earth, 3 ft. base, 6 ins. high, witnessed by bearing trees.
240.00	Set temp. cor. for secs. 33 and 34.
240.76	Fall 61 lks. north of old standard cor. of secs. 33 and 34, which is a post in mound of earth, 3 ft. base, 1 ft. high witnessed by bearing trees. June 12, 1913.
	June 13, 1913: At 10h. 0m., a.m., l.m.t., I set off 32° 56 $\frac{1}{2}$ ' N. on lat arc; and 23° 13' N. on decl. arc, and determine a meridian with the solar at the temp. cor. of secs. 33 and 34.
	Continue random line, west, S. bdy. of sec. 33.
280.00	Set temp. $\frac{1}{4}$ sec. cor.
280.89	Fall 48 lks. north of old standard $\frac{1}{4}$ sec. cor., which is an ironwood post, 2 ft. above ground, in mound of earth, 3 ft. base, 1 ft. high. Post in good state of preservation.
320.00	Set temp. cor. of secs. 32 and 33.
320.93	Fall 46 lks. N. of old standard cor. of secs. 32 and 33, which is an ironwood post, 3 ft. long, 3 ins. in diam., in mound of stone, 3 ft. base, 2 ft. high, witnessed by bearing trees.
	Continue random line, west, south bdy. sec. 32.
360.00	Set temp. $\frac{1}{4}$ sec. cor.
361.05	Fall 61. lks. N. of old stand. $\frac{1}{4}$ sec. cor., which is an ironwood post, properly marked, in mound of stone, 3 ft. base, 2 ft. high.
400.00	Set temp. cor. of secs. 31 and 32.
	Continue random line west, south bdy. sec. 31.
401.11	Fall 71 lks. north of old standard cor. of secs. 31 and 32, which is a worm eaten post, in mound of stone, 4 ft. base, 2 ft. high, witnessed by bearing trees.
441.11	Fall 92 lks. north of old standard $\frac{1}{4}$ sec. cor., which is a post in mound of stone, 3 ft. base, 2 ft. high
481.01	Fall 84 lks. north of old standard cor. of Ts. 5 S. Rs. 16 and 17 W., which is a volcanic stone, 6 x 6 x 12 ins., above ground, marked with 6 grooves on E., W., and N., faces, witnessed by mound of stone, 4 ft. base, 3 ft. high,

Resurvey of 1st Stand. Parallel South, thru Range 16 West.

Chains

west of cor.
 I set an iron post 3 ft. long, 3 ins. in diam., 18 ins. in the ground (could not set deeper for solid rock) by the side of old stone, with brass cap, marked T 5 S R 17 W S 36 in NW., and R 16 W S 31 in NE. quadrants; 1913 on S. edge of cap; raise a mound of stone, 5 ft. base, 1 ft. high around post; change mound of stone from west to north of cor., 3 ft. base, 1½ ft. high.
 The 84 links falling answers to a correction of 14 links south per mile, or 5'. Random line run June 12 and 13. As it would require closing corners in the subdivision of T. 5 S., R. 16 W., to use old corners on the 1st Standard Parallel South, I reestablish the corners as follows: June 16, 1913.
 From the reestablished standard cor. of Ts. 5 S., Rs. 15 and 16 W., hereinbefore described, I run, S. 89° 54' W., on a true line, along south bdy. of sec. 36. Over level land, through greasewood brush, 4 to 6 ft. high.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for standard ¼ sec. cor., with brass cap, marked, S 36 ¼ on N. half; and 1913 on S. half; dig pits 18x18x12 ins. E. and W. of cor., 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.; from which, A pale fierra, 4 ins. in diam., brs. N. 41° E., 176 lks. dist., marked ¼ S 36 B T.
 No other tree near.
 I destroy old stand. ¼ sec. cor.
 65.00 Wash, 20 lks. wide, 3 ft. deep, course SE.
 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for standard cor. of secs. 35 and 36, with brass cap, marked T 5 S S 35 in NW., and R 16 W S 36 in NE. quadrants; 1913 on S. half; dig pits, 24x18x12 ins. crosswise on each line, E. and W. of cor. 3 ft., and N. of cor. 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor. No trees in limits N. of line. I destroy old standard sec. cor.
 Land, level.
 Malpais soil; dense growth of greasewood brush 4 to 6 ft. high.
 Palo verde and pale fierra timber along washes.

 Thence I run, S. 89° 54' W., on a true line, along south bdy. of sec. 35. Over level land, through greasewood brush.
 4.60 Wash, 20 lks. wide, 2 ft. deep, course S. 75° E.
 10.00 Wagon road brs. N. and S.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for stand. ¼ sec. cor., with brass cap, marked ¼ S 35 on N. half; and 1913 on S. half; dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor. I destroy old stand. ¼ sec. cor.
 61.70 A wash, 80 lks. wide, 6 ft. deep, course SE.
 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for standard cor. of secs. 34 and 35, with brass cap, marked, T 5 S S 34 in NW., and R 16 W S 35 in NE. quadrants; 1913 on S. half; from which, A pale fierra, 7 ins. in diam., brs. N. 0° 30' W. 205 lks. dist., marked T 5 S R 16 W S 34 B T.

Resurvey of 1st Stand. Parallel South. thru Range 16 West.

Chains	No other trees alive north of line; dig pits, 24x18x12 ins., E. and W. of cor., 3 ft. and N. of cor., 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high N. of cor. Destroy old stand. sec. cor. Land, level. Malpais soil. Greasewood brush, scattering palo verde and pale fierra along washes.
	----- S. 89° 54' W., on a true line, along south bdy. of sec. 34 through greasewood brush and scattering palo verde.
8.00	A wash, 40 links wide, 2 ft. deep, course SE.
27.80	A wash, 40 lks. wide, 2 ft. deep, course SE.
32.00	A wash, 30 lks. wide, course SE.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 34 on N. half; and 1913 on S. half; dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth and stone, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. From which, A pale fierra, 12 ins. in diam., bears N. 45° W., 195 lks. dist., marked $\frac{1}{4}$ S 34 B T.
	No other tree N. of line in limit. I destroy old standard $\frac{1}{4}$ sec. cor.
51.00	A wash, 10 lks. wide, course SE.
55.00	A wash, 30 lks. wide, 3 ft. deep, course SE.
65.00	A wash, 20 lks. wide, 2 ft. deep, course S. 50° E.
69.00	A wash, 90 lks. wide, 4 ft. deep, course S. 50° E.
80.00	Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for standard cor. of secs. 33 and 34, with brass cap, marked T 5 S S 33 in NW., and R 16 W S 34 in NE. quadrants; 1913 on S. half; from which, A palo verde, 6 ins. in diam., bears N. 57° 15' E., 536 lks. dist., marked T 5 S R 16 W S 34 B T. A palo verde, 8 ins. in diam., bra. N. 16° 35' W., 204 lks. dist., marked T 5 S R 16 W S 33 B T.
	I destroy old stand. sec. cor. Land level. Malpais soil; surface covered with small stone, greasewood brush; scattering timber.
	----- S. 89° 54' W., on a true line, along south bdy. of sec. 33. Over level land, through scattering greasewood brush and palo verde.
9.60	Wash, 80 lks. wide, 8 ft. deep, course SE.
16.00	Wash, 20 lks. wide, 2 ft. deep, course S. 40° E.
25.00	Wash, 70 lks. wide, 5 ft. deep, course SE.
27.40	Wagon road, brs. NW. and SE.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for standard $\frac{1}{4}$ sec. cor., with brass cap, marked, $\frac{1}{4}$ S 33 on N. half, and 1913 on S. half; from which A palo verde, 4 ins. in diam., brs. N. 1° E., 38 lks. dist., marked $\frac{1}{4}$ S 33 B T.
	No other tree in limit north of line. Pits impracticable. Raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner
59.60	Descend into wash, 10 ft. banks.
62.20	Wash, 2.00 chs. wide, course SE.
75.20	Wash, 20 lks. wide, course SE.
80.00	Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the ground (solid rock) for standard cor. of secs. 32 and 33, with brass cap, marked

Resurvey of 1st Stand. Parallel South, thru Range 16 West.

Chains	<p>T 5 S S 32 in NW., and R 16 W S 33 in NE. quadrants; 1913 on S. half; raise a mound of stone, 3 ft. base, 1½ ft. high, around post; from which, A palo verde, 6 ins. in diam. brs. N. 8½° E., 110 lks. dist., marked T 5 S R 16 W S 33 B T. A palo verde, 5 ins. in diam., brs. N. 28° W., 160 lks. dist., marked T 5 S R 16 W S 32 B T. Land level. Malpais soil, stony surface; greasewood brush and scattering palo verde and ironwood timber. Destroy old stand. sec. corner.</p> <p>-----</p> <p>S. 89° 54' W., on a true line, along south bdy. of sec. 32 Over level land, stony surface, scattering greasewood and palo verde.</p> <p>4.90 Left bank of wash, 8 ft. high, brs. N. 60° W. and S. 60° E. 8.00 Right bank of wash, brs. N. 60° W., and S. 60° E. 19.80 Right bank of same wash, brs. NE. and SW. 24.80 Left bank of wash, brs. NE. and SW. 40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground for standard ¼ sec. cor., with brass cap, marked, ¼ S 32 on N. half, and 1913 on S. half; pits impracticable. Raise a mound of stone, 3 ft. base, 1½ ft. high around post Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Destroy old standard ¼ sec. cor.</p> <p>58.50 Wash, 2.00 chs. wide, 12 ft. deep, course NE. 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for standard cor. of secs. 31 and 32, with brass cap, marked T 5 S S 31 in NW., and R 16 W S 32 in NE quadrants; 1913 on S. half; pits impracticable. Raise a mound of stone 4 ft. base, 2 ft. high, N. of cor. No trees in limits north of line. I destroy old stand. sec. cor. Land gently rolling. Malpais soil, stony surface; scattering greasewood brush and palo verde; ironwood timber. No grass.</p> <p>-----</p> <p>S. 89° 54' W., on a true line, along south bdy. of sec. 31. Over gradual east slope, through scattering greasewood brush.</p> <p>5.00 Enter wash, 2.00 chs. wide, course S. 85° E. 12.00 Leave wash, from NW. 13.00 Enter volcanic rock. 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for standard ¼ sec. cor., with brass cap, marked, ¼ S 31 on N. half; and 1913 on S. half; pits impracticable. Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor. Destroy old stand. ¼ sec. cor.</p> <p>46.10 Same wash, 50 lks. wide, course N. 50° E. 53.60 Wash, 30 lks. wide, course SE. 60.00 Ascend steep SE. slope. 70.00 Change to steep east slope, over loose volcanic boulders. 81.01 Standard cor. of Ts. 5 S., Rs. 16 and 17 W., hereinbefore described. Land, mountainous, 20.00 chs. Gradual east slope, 61.00 chs. Stony surface, scattering greasewood brush.</p>
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June 16 and 17, 1913.

H. J. Phorn
U. S. Surveyor.

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability,
W. H. Thorn, U. S. Surveyor, during the periods and in the capacities
stated opposite our several signatures, in surveying all those parts or portions of

Boundary of
First Standard Parallel South ^{THRU} Ranges 14, 15 and 16 West.

of the Gila & Salt River Base & Meridian, in the State of Arizona,
which are represented in the foregoing field notes as having been executed by him, and under his direc-
tion; and that said survey has been, in all respects, to the best of our knowledge and belief, well and
faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
Mill D. Wilson	June 4, 1913	June 17, 1913	1 st champion
Roy E. Owen	June 4, 1913	June 17, 1913	2 nd champion
Sara Gray			
Esther H. [unclear]	was not employed on this		
John [unclear]	line		

Subscribed and certified to before me on the dates of the final service as shown above.

W. H. Thorn
U. S. Surveyor.

FINAL OATH OF UNITED STATES SURVEYOR.

I, W. H. Thorn, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona, for Group 28 bearing date of the 26th day of February, 1913, 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~~ ^{resurveyed} all those parts or portions of

~~Survey of the~~
the First Standard Parallel South thru Ranges 14, 15 and 16 West

~~of the~~ Gila and Salt River Base & Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said ~~survey~~ ^{resurvey} ~~or reestablished~~ 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 Arizona for Group 28 and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~survey~~ ^{resurvey}.

W. H. Thorn

U. S. Surveyor.

Subscribed by said W. H. Thorn, and sworn to before me }
this 7th day of March, 1914

Frank A. Ingalls
SURVEYOR GENERAL OF ARIZONA



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix Arizona DECEMBER 1, 1914

The foregoing field notes of the survey of resurvey of the

FIRST STANDARD PARALLEL SOUTH thru
RANGES 14 15 and 16 WEST

of the Gila and Salt River Base and Meridian, Arizona

executed by W. H. Thorn, U.S. Surveyor under his special instructions dated February 26 1913, for Group 28, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the re-surveys they describe, are hereby approved.

Frank A. Ingalls
U. S. Surveyor General.

of Arizona

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~
~~has been correctly copied from the original notes on file in this office.~~

~~U. S. Surveyor General~~