

2745

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2745

Book "K"
Subdivisions

BOOK 2745

JUL 23 1913

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of T. 8 S., R. 15 E.

Of the Gila and Salt River Base and Meridian,
Arizona.

In the State of _____

EXECUTED BY

Jesse B. Wright,

and

William H. Elliott,

In the capacity of U. S. Surveyors, under instructions dated July 24, 1913.

issued by the United States Surveyor General to govern surveys included in
Group No. 30, which were approved by the Commissioner of the General Land
Office, August 4, 1913, pursuant to authority contained in the Act of
Congress dated June 23, 1913.

Survey commenced August 23, 1913

Survey completed August 30, 1913

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BOOK 2745

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———— Book A
———— Book C

Subdivision of T. 8 S., R. 15 E.

Chains.

Survey commenced Aug. 23, 1913, and executed jointly by Jesse B. Wright and William H. Elliott, U. S. Surveyors using Young & Son's light mountain transits Nos. 8145 and 8492, description and field tests heretofore given in books "D" and "E." (Lines as run by Wright and Elliott designated by initials J. B. W., and W. H. E., respectively.

Knowing from recent and repeated tests made on a true meridian established by observation of Polaris at our camp, that our instruments are in correct adjustment, we proceed as follows : - W. H. E.,

At 8h a.m., l.m.t., at the cor. of secs. 35 & 36, on the S. bdy. of the Tp., recently established by J. B. Wright, and described in book "C"

I set off 11°32½' N. on the decl. arc, and 32°41' N. on the lat. arc, and determine a meridian with the solar. Thence I run, parallel to mean line of old East Bdy. of Tp.,

N. 0° 4' W., bet. secs. 35 & 36.

Over mts., broken land, desc. NW. slope, through scattering cacti, catclaw, mesquite, good native grass. Var. 14°05' E.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913 in S. rim; ¼ S 35 in W., and S 36 in E. half;

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ft. base, 1½ ft. high W. of cor.

69.75 Dim road, brs. E. & W., foot of slope, brs. E. & W.

71.00 Wash, 30 lks. wide, course W.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 26, 35 & 36, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S. rim; S 26 in NW., S 25 in NE., S 36 in SE., and S 35 in SW. quad.;

raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. No bearings available, pits impracticable.

Land, mts., heavily rolling.

Soil, 3rd rate, gravelly, dry.

Scattering mesquite, catclaw, cacti, fair grass.

N. 89°46' E., on a random line bet. secs. 25 & 36.

40.00 Set temp. ¼ sec. cor.

79.98 Intersect W. bdy. of T. 8 S., R. 16 E. 2 lks. S. of cor. of secs. 25, 30, 31 & 36, heretofore described by J. B. Wright, in Book "A." Whence I run,

S. 89°45' W., on a true line bet. secs. 25 & 36.

Over rolling, broken land, desc., through scattering brmsh.

20.00 Wash, 20 lks. wide, course SE., asc.

39.99 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913 in S. rim; ¼ S 25 in N., and No bearings available. Pits S 36 in S. half; impracticable.

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

48.00 Low divide, brs. NNE. & SSW., desc.

70.10 Wash, 20 lks. wide, course SSW.

79.98 To cor. of secs. 25, 26, 35 & 36.

Land, broken, heavily rolling.

Soil, 3rd rate, gravelly, dry.

Mesquite, catclaw, cacti, greasewood, fair grass.

At this cor., at noon, I set off 11°28½' N. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is 32°42' N.

Chains.	N. 0° 4' W., bet. secs. 25 & 26. Over heavily rolling land, through scattering brush, desc. grad.
9.00	Gulch, 2 chs. wide, course W.
23.00	Wash, 30 lks. wide, course W.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 26 in W., and S 25 in E. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. No bearings available, pits impracticable.
42.50	Wash, 20 lks. wide, course W.
60.00	Wash, 10 lks. wide, course WNW.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 23, 24, 25 & 26, marked on brass cap, T 8 S R 15 E, in N. half, 1913 on S. rim; S 23 in NW., S 24 in NE., S 25 in SE., and No bearings available. Pits S 26 in SW. quad.; impracticable. raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, heavily rolling. Soil, 3rd rate, gravelly, dry. Mesquite, catclaw, cacti, fair grass.
40.00	N. 89° 45' E., on a random line bet. secs. 24 & 25. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect W. bdy. of Tp. 8 S., R. 16 E. 2 lks. N. of cor. of secs. 19, 24, 25 & 30 reestablished by J. B. Wright, as heretofore described in book A, whence I run, S. 89° 46' W., on a true line bet. secs. 24 & 25. Over mts. land, desc. WSW. slope, through scattering brush.
12.00	Old prospect tunnel brs. North, 1 ch. dist.
22.00	Wash, 30 lks. wide, course SW.
24.00	Wash, 20 lks. wide, course S.
40.02	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S rim; $\frac{1}{4}$ S 24 in N., and No bearings available. S 25 in S. half; Pits impracticable. raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
48.00	Wash, 30 lks. wide, course SW.
80.04	To cor. of secs. 23, 24, 25 & 26. Land, mts., broken. Soil, 3rd rate, gravelly, stony, dry, loose. Mesquite, catclaw, greasewood, cacti, fair grass. August, 23, 1913. W.H.E.

Subdivision of T. 8 S., R. 15 E.

Chains. W.H.E.
 August 25, 1913.
 At 8h a.m., l.m.t., at the cor. of secs. 23, 24, 25 & 26,
 hereinbefore described,
 I set off 10°51½' N. on the decl. arc, and 32°42½' N. on
 the lat. arc, and determine a meridian with the solar.
 Thence I run,
 N. 0° 4' W., bet. secs. 23 & 24.
 Over heavily rolling, broken land, through dense
 brush.

18.50 Wash, 10 lks. wide, course W.
 24.00 Wash, 30 lks. wide, course W.
 34.00 Wash, 10 lks. wide, course SW.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for ¼ sec. cor., marked on brass cap, 1913
 on S-rim; ¼ S 23 in W., and No bearings available.
 S 24 in E. half; Pits impracticable.
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

55.00 Ridge, brs. E. & W.
 71.00 Old road, brs. E. & W., no terminus found.
 77.50 Wash, 50 lks. wide, course WNW.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 13, 14, 23 & 24, marked on
 brass cap, T 8 S R 15 E, in N. half, 1913 in S-rim;
 S 14 in NW., No bearings available.
 S 13 in NE., Pits impracticable.
 S 24 in SE., and
 S 23 in SW. quad.;
 raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
 Land, broken, heavily rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite. cacti, catclaw, fair grass.

40.00 N. 89°46' E., on a random line bet. secs. 13 & 24.
 Set temp. ¼ sec. cor.
 79.90 Intersect W. bdy. of T. 8 S., R. 16 E. 48 lks. N. of
 cor. of secs. 13, 18, 19 & 24,
 heretofore described by J. B. Wright in Book "A."
 whence I run,
 N. 89°54' W., on a true line bet. secs. 13 & 24.
 Over mts. land, desc. NW. slope, through scattering
 brush.

20.50 Gulch, 30 lks. wide, course SW.
 29.50 Wash, 30 lks. wide, course WNW.
 38.20 Wash, 30 lks. wide, course NW., asc.
 39.95 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for ¼ sec. cor., marked on brass cap, 1913
 in S-rim; ¼ S 13 in N., and No bearings available.
 S 24 in S. half; Pits impracticable.
 raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.

60.00 Ridge, brs. NW. & SE., desc. grad.
 79.90 To cor. of secs. 13, 14, 23 & 24.
 Land, broken, mts.
 Soil, 3rd rate, gravelly, dry, loose.
 Mesquite, catclaw, cacti, good grass.
 At this cor., at noon, I set off 10°47½' N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is 32°43' N.

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Subdivision of T. 8 S., R. 15 E.

Chains.

	N. 0° 4' W., bet. secs. 13 & 14. Over heavily rolling, broken land, sharp ridges, trend to W., through scattering brush.
4.00	Wash, 10 lks. wide, course NW., asc.
13.00	Ridge, brs. NW. & SE., desc.
26.00	Wash, 20 lks. wide, course NW., asc.
38.00	Ridge, brs. E. & W., desc.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S' rim; $\frac{1}{4}$ S 14 in W., and No bearings available. S 13 in E. half; Pits impracticable. raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
47.00	Wash, 20 lks. wide, course NW., asc.
53.00	Spur from E. desc. to base.
65.00	Wash, 20 lks. wide, course W., asc.
70.00	Spur from E. desc. to base.
72.50	Wash, 20 lks. wide, course WNW.,
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 11, 12, 13 & 14, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S' rim S 11 in NW., S 12 in NE., S 13 in SE., and S 14 in SW. quad.; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. No bearings available, pits impracticable.
	Land, broken, mts. Soil, 3rd rate, gravelly, dry. Mesquite, catclaw, cacti, good grass.
	S. 89° 54' E., on a random line bet. secs. 12 & 13.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect East bdy. of Tp. 12 lks. S. of cor. of secs. 12 & 13, re-established by J. B. Wright, as described in book A, whence I run, N. 89° 59' W., on a true line bet. secs. 12 & 13. Over mts. land, desc. NW. slope, scattering brush.
5.00	Gulch, 10 lks. wide, course NNW., near head, asc.
10.00	Ridge, brs. NNW. & SSE., desc. W. slope.
22.00	Wash, 20 lks. wide, course NW.
39.90	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S' rim; $\frac{1}{4}$ S 12 in N., and No bearings available. S 13 in S. half; Pits impracticable. raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
43.00	Wash, 30 lks. wide, course SW.
55.00	Wash, 30 lks. wide, course NW.
60.00	Wash, 50 lks. wide, course NW.
79.80	To cor. of secs. 11, 12, 13 & 14. Land, mts., broken. Soil, 3rd rate, stony, gravelly, loose, dry. Mesquite, catclaw, cacti, in washes, good grass. August 25, 1913. W.H.E.
	August 28, 1913. W.H.E. At 8h a.m., l.m.t., at the cor. of secs. 11, 12, 13 & 14, I set off $9^{\circ}48\frac{1}{2}'$ N. on the decl. arc, and $32^{\circ}44\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run, N. 0° 4' W., bet. secs. 11 & 12. Over rough, broken land, desc. through scattering brush.
6.00	Wash, 20 lks. wide, course W., asc.
15.00	Spur, brs. W. & E., desc.
20.00	Wash, 20 lks. wide, course NW., asc.
31.00	Ridge, brs. E. & W., desc.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 in W., and S 12 in E. half; and 1913 in S' rim; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. No bearings available, pits impracticable.

Subdivision of T. 8 S., R. 15 E.

Chains.

40.50 Wash, 20 lks. wide, course NW.
 47.00 Wash, 20 lks. wide, course WNW., asc.
 55.00 Ridge, brs. W. & E., desc.
 72.00 Wash, 30 lks. wide, course WNW., asc.
 76.00 Ridge, brs. WNW. & SE., desc.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 2, 11 & 12, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S rim;
 S 2 in NW.,
 S 1 in NE.,
 S 12 in SE., and No bearings available.
 S 11 in SW. quad.; Pits impracticable.
 raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
 Land, broken, mts.
 Soil, 3rd rate, gravelly, stony, dry, loose.
 Mesquite, catclaw, cacti, good grass.

S. 89°59' E., on a random line, bet. secs. 1 & 12.
 40.00 Set temp. 1/4 sec. cor.
 79.78 Intersect E. bdy. of Tp. 5 lks. N. of cor. of secs. 1 & 12, recently re-established by J. B. Wright, as described in book A. whence I run,
 N. 89°57' W., on a true line bet. secs. 1 & 12.
 Over mts., broken land, desc.
 3.00 Head of Gulch, course NNW., asc.
 5.50 Spur, brs. NNW. & SSE., desc.
 16.50 Wash, 20 lks. wide, course NW.
 22.80 Wash, 20 lks. wide, course NW., asc.
 35.00 Spur, brs. NNW., from SSE., desc.
 39.89 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1913 on S. rim; 1/4 S 1 in N., and No bearings available.
 S 12 in S. half; Pits impracticable.
 raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
 41.00 Wash, 15 lks. wide, course NW.
 72.00 Gulch, 30 lks. wide, course NW., asc.
 75.50 Wash, 20 lks. wide, course NW., asc. steep.
 79.78 To cor. of secs. 1, 2, 11 & 12.
 Land, broken, mts.
 Soil, 3rd rate, stony, granite gravel, loose, dry.
 Scattering mesquite, catclaw, cacti, fair grass.
 At this cor., at noon, I set off 9°44 1/2' N. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is 32°45' N.

N. 0° 4' W., on a random line bet. secs. 1 & 2.
 40.00 Set temp. 1/4 sec. cor.
 78.54 Intersect N. bdy. of Tp. 37 lks. E. of cor. of secs. 1, 2, 35 & 36, recently established by J. B. Wright, as described in book C, whence I run,
 S. 0° 20' E., on a true line bet. secs. 1 & 2.
 Over mts., broken land, asc. through dense brush.
 4.00 Ridge, brs. WNW., from ESE., desc.
 7.50 Gulch, 30 lks. wide, course WNW., asc.
 21.00 Ridge, brs. WNW., from ESE., desc.
 23.50 Gulch, 40 lks. wide, course W.,
 38.54 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1913 in S. rim; 1/4 S 2 in W., and Pits impracticable.
 S 1 in E. half; No bearings available.
 raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
 51.50 Gulch, 20 lks. wide, course W.
 72.00 Granite wash, 50 lks. wide, course WNW., asc.
 78.54 To cor. of secs. 1, 2, 11 & 12.
 Land, mts., broken.
 Soil, 3rd rate, gravelly, dry, loose.
 Mesquite, catclaw, cacti, fair grass.

August 28, 1913.
 W. H. E.

Chains.	
	<p>August 26, 1913. W. H. E. At 7h a.m., l.m.t., at the cor. of secs. 34 & 35, on the S. bdy. of the Tp., established by J.B. Wright, and described in book C, I set off 10°32' N. on the decl. arc, and 32°41' N. on the lat. arc, and determine a meridian with the solar. Thence I run, N. 0° 4' W., bet. secs. 34 & 35. Over heavily rolling, broken land, through scattering brush.</p>
3.50	Wash, 20 lks. wide, course ENE., asc. grad.
21.00	Spur, brs. ENE., from WSW., desc. grad.
25.00	Wash, 20 lks. wide, course E., asc. grad.
40.00	Top of flat ridge, brs. NE. & SW. Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 34 in W., and S 35 in E. half; dig pits 18x18x12 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. Desc. grad. from cor.
53.00	Wash, 30 lks. wide, course NNE.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 26, 27, 34 & 35, marked on brass cap, T 8 S R 15 E, 1 in N. half, 1913 in S. rim; S 27 in NW., S 26 in NE., S 35 in SE., and S 34 in SW. quad.; dig pits 18x18x12 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, broken, heavily rolling. Soil, 3rd rate, gravelly, dry, loose. Mesquite, catclaw, cacti, good grass.
40.00	N. 89°46' E., on a random line bet. secs. 26 & 35. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. & S. line 14 lks. N. of cor. of secs. 25, 26, 35 & 36, hereinbefore described, whence I run, S. 89°52' W., on a true line bet. secs. 26 & 35. Over heavily rolling, broken land, through scattering brush.
15.20	Road, brs. NW. & SE.
16.10	Wash, 20 lks. wide, course NW.
31.00	Wash, 30 lks. wide, course N.
40.02	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 26 in N., and No bearings available. S 35 in S. half; Pits impracticable. raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
53.00	Wash, 15 lks. wide, course NNW.
69.25	Wash, 20 lks. wide, course NNW.
73.00	Wash, 30 lks. wide, course N.
80.04	To cor. of secs. 26, 27, 34 & 35. Land, broken, heavily rolling. Soil, 3rd rate, granite gravel, dry, loose. Mesquite, catclaw brush, fair grass, dense cacti.

Chains.	N. 0° 4' W., bet. secs. 26 & 27. Over rolling, broken land, through dense brush.
37.00	Wash, 40 lks. wide, course NW.
39.00	Wash, 25 lks. wide, course WSW.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S-rim; $\frac{1}{4}$ S 27 in W., and S 26 in E. half; dig pits 18x18x12 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.
51.23	Road, brs. ENE. & WSW.
57.25	Wash, 20 lks. wide, course W.
63.00	Wash, 20 lks. wide, course W.
77.25	Wash, 20 lks. wide, course W.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 22, 23, 26 & 27, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S-rim; S 22 in NW., S 23 in NE., S 26 in SE., and S 27 in SW. quad.; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land, rolling, broken. Soil, 3rd rate, gravelly, sandy, loose, dry. Mesquite, catclaw, cacti, greasewood, fair grass. At this cor., at noon, I set off $10^{\circ}26\frac{1}{2}'$ N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is $32^{\circ}43'$ N.
40.00	N. $89^{\circ}52'$ E., on a random line bet. secs. 23 & 26. Set temp. $\frac{1}{4}$ sec. cor.,
80.04	Intersect N. & S. line 2 lks. N. of cor. of secs. 23, 24, 25 & 26, hereinbefore described, whence I run, S. $89^{\circ}53'$ W., on a true line bet. secs. 23 & 26. Over rolling, broken land, through dense brush.
40.02	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S-rim; $\frac{1}{4}$ S 23 in N., and S 26 in S. half; dig pits 18x18x12 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.
43.00	Wash, 20 lks. wide, course NNW.
80.04	To cor. of secs. 22, 23, 26 & 27. Land, heavily rolling. Soil, 3rd rate, gravelly, sandy, loose, dry. Mesquite, catclaw, sage brush, cacti, good grass.
20.00	N. 0° 4' W., bet. secs. 22 & 23. Over heavily rolling, broken land, through scattering brush.
40.00	Wash, 20 lks. wide, course WNW. Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S-rim; $\frac{1}{4}$ S 22 in W., and S 23 in E. half; dig pits 18x18x12 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.
54.00	Wash, 20 lks. wide, course W., asc.
60.00	Ridge, brs. W. & E., desc.
68.50	Wash, 15 lks. wide, course WNW., asc. grad.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 14, 15, 22 & 23, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S-rim; S 15 in NW., S 14 in NE., S 23 in SE., and S 22 in SW. quad.; dig pits 18x18x12 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, heavily rolling, broken. Soil, 3rd rate, gravelly. Catclaw, cacti, mesquite, fair grass.

Chains.	
	N. $89^{\circ}53'$ E., on a random line bet. secs. 14 & 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. & S. line 9 lks. N. of cor. of secs. 13, 14, 23 & 24, hereinbefore described, whence I run,
	S. $89^{\circ}57'$ W., on a true line bet. secs. 14 & 23.
	Over heavily rolling land, through scattering brush.
39.99	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, No bearings available.
1913	in S. rim; $\frac{1}{4}$ S 14 in N., and S 23 in S. half.
	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable
57.30	Dim road, brs. NW. & SE.
79.98	To cor. of secs. 14, 15, 22 & 23.
	Soil, 3rd rate, stony, gravelly, dry. Land, rolling.
	Mesquite, cacti, catclaw, fair grass. August 26, 1913.
	W.H.E.
	W.H.E.
	August 29, 1913.
	At 7h a.m., l.m.t., at the cor. of secs. 14, 15, 22 & 23,
	I set off $9^{\circ}29'$ N. on the decl. arc, and $32^{\circ}43\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar.
	Thence I run,
	N. $0^{\circ}4'$ W., bet. secs. 14 & 15.
	Over heavily rolling land, through scattering brush.
2.00	Wash, 10 lks. wide, course WNW.
10.00	Wash, 20 lks. wide, course NW.
18.00	Wash, 10 lks. wide, course NW.
26.00	Wash, 20 lks. wide, course NW., asc.
37.90	Ridge, brs. ESE. & WNW., desc.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913
	in S. rim; $\frac{1}{4}$ S 15 in W., and No bearings available.
	S 14 in E. half; Pits imprac.
	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
52.00	Wash, 10 lks. wide, course NW., asc.
62.00	Ridge, brs. NW., from ESE., desc.
78.00	Wash, 20 lks. wide, course NW.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 10, 11, 14 & 15, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S rim;
	S 10 in NW.,
	S 11 in NE.,
	S 14 in SE., and
	S 15 in SW. quad.; from which,
	A mesquite tree 8 ins. diam. brs. N. $64\frac{1}{2}^{\circ}$ E. 93 lks. dist., marked T 8 S R 15 E S 11 B T.
	A catclaw tree 6 ins. diam. brs. S. $33\frac{1}{2}^{\circ}$ E. 43 lks. dist., marked T 8 S R 15 E S 14 B T.
	A catclaw tree 6 ins. diam. brs. S. 23° W. 30 lks. dist., marked T 8 S R 15 E S 15 B T.
	A catclaw tree 6 ins. diam. brs. N. 29° W. 55 lks. dist., marked T 8 S R 15 E S 10 B T.
	Land, broken, heavily rolling. Soil, 3rd rate, gravelly.
	Mesquite, catclaw, cacti, good grass.
	N. $89^{\circ}57'$ E., on a random line bet. secs. 11 & 14.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. & S. line 16 lks. S. of cor. of secs. 11, 12, 13 & 14, hereinbefore described, whence I run,
	S. $89^{\circ}50'$ W., on a true line bet. secs. 11 & 14.
	Over heavily rolling land, through scattering brush.
38.50	Wash, 20 lks. wide, course NW.
40.02	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim;
	$\frac{1}{4}$ S 11 in N., and S 14 in S. half;
	raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
47.00	Ridge, brs. NW. & SE., desc. grad. (no bearings available.)
51.00	Wash, 20 lks. wide, course SW. Pits imprac.
55.00	Same wash, course NW.
60.00	Same wash, course SW.
80.04	To cor. of secs. 10, 11, 14 & 15.
	Land, heavily rolling, broken. Soil, 3rd rate, gravelly.
	Mesquite, catclaw, cacti, fair grass.

Subdivision of T. 8 S., R. 15 E.

Chains.	N. 0° 4' W., bet. secs. 10 & 11. Over heavily rolling land, through scattering brush.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S-rim, $\frac{1}{4}$ S 10 in W., and No bearings available. S 11 in E. half; Pits impracticable. raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
40.10	Wash, 10 lks. wide, course NW.
50.00	Wash, 20 lks. wide, course NW.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 10 & 11, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S-rim; S 3 in NW., S 2 in NE., S 11 in SE., and S 10 in SW. quad.; from which, A catclaw tree 6 ins. diam. brs. N. 85 $\frac{3}{4}$ ° E. 56 lks. dist., marked T 8 S R 15 E S 2 B T. A catclaw tree 4 ins. diam. brs. S. 66 $\frac{1}{2}$ ° E. 72 lks. dist., marked T 8 S R 15 E S 11 B T. A mesquite tree 6 ins. diam. brs. S. 53 $\frac{1}{4}$ ° W. 101 lks. dist., marked T 8 S R 15 E S 10 B T. A catclaw tree 3 ins. diam. brs. N. 50° W. 79 lks. dist., marked T 8 S R 15 E S 3 B T. Land, broken, heavily rolling. Soil, 3rd rate, gravelly. Mesquite, catclaw, cacti, fair grass. At this cor. at noon, I set off 9923 $\frac{1}{2}$ ' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 32° 45' N.
40.00	N. 89° 50' E., on a random line bet. secs. 2 & 11. Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. & S. line 14 lks. S. of cor. of secs. 1, 2, 11 & 12, hereinbefore described, whence I run, S. 89° 44' W., on a true line bet. secs. 2 & 11. Over heavily rolling, or mts. land, asc.
4.00	Ridge, brs. NW., from SE., desc. SW. slope.
16.50	Canyon, 150 lks. wide, course WNW., asc. steep NE. slope.
23.00	Spur, brs. NW. & SE., desc.
31.00	Gulch. 40 lks. wide, course NW., asc. steep.
40.03	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S-rim; $\frac{1}{4}$ S 2 in N., and No bearings available. S 11 in S. half; Pits impracticable. raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
43.00	Spur, brs. NW., from SE., desc. steep.
59.00	Box canyon, 2 chs. wide, 200 ft. deep, course NW.,
65.00	Wash, 40 lks. wide, course NNW.
75.00	Wash, 20 lks. wide, course NNW.
80.06	To cor. of secs. 2, 3, 10 & 11. Land, broken, mts. Soil, 3rd rate, gravelly, sandy, stony, dry. Mesquite, catclaw, cacti, fair grass.

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Subdivision of T. 8 S., R. 15 E.

Chains.

40.00 N. $0^{\circ} 20'$ W., on a random line, bet. secs. 2 & 3.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.11 Intersect N. bdy. of Tp. 2 lks. E. of cor. of
 secs. 2, 3, 34 & 35, recently established by
 J. B. Wright, and described in book C,
 whence I run,
 S. $0^{\circ} 21'$ E., on a true line bet. secs. 2 & 3.
 Over rolling land, asc. grad., through dense mesquite
 and catclaw, in valley of Camp Grant Wash.
 39.11 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913
 in S. rim; $\frac{1}{4}$ S 3 in W., and
 S 2 in E. half; from which,
 A mesquite tree 4 ins. diam. brs. N. $59\frac{1}{4}^{\circ}$ E. 73 lks. dist.,
 marked $\frac{1}{4}$ S 2 B T.
 A mesquite tree 6 ins. diam. brs. S. $60\frac{3}{4}^{\circ}$ W. 39 lks. dist.,
 marked $\frac{1}{4}$ S 3 B T.
 48.00 Wash, 100 lks. wide, course NW.
 67.00 Leave valley, brs. NW. & SE., asc.
 73.00 Top of broken mesa, brs. NW. & SE.,
 75.00 Gulch, 20 lks. wide, course WNW.
 79.11 To cor. of secs. 2, 3, 10 & 11.
 Land, broken, rolling.
 Soil, 3rd rate, gravelly, dry, sandy, loose.
 Mesquite, catclaw, cacti, fair grass on mesa.
 August 29, 1913.
 W. H. E.

Subdivision of T. 8 S., R. 15 E.

Chains

August 27, 1913. J. B. W.
At 7h a.m., l.m.t., at the cor. of secs. 33 & 34,
on the S. bdy. of the Tp. recently established by
me, and described in book "C."
I set off 10°11' N. on the decl. arc, and 32°41' N. on
the lat. arc, and determine a meridian with the solar.
Thence I run,

- N. 0° 5' W., bet. secs. 33 & 34.
Over rolling, broken land, through dense brush.
- 25.00 Wash, 50 lks. wide, course NW.
- 30.00 Wash, 20 lks. wide, course W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in
S-rim; $\frac{1}{4}$ S 33 in W., and
S 34 in E. half;
dig pits 18x18x12 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.
- 58.00 Wash, 25 lks. wide, course WNW., asc.
- 63.00 Ridge, brs. WNW. & ESE., desc.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
the ground for cor. of secs. 27, 28, 33 & 34, marked on
brass cap, T 8 S R 15 E, in N. half, 1913 in S-rim;
S 28 in NW.,
S 27 in NE.,
S 34 in SE., and dig pits 18x18x12 ins. in
S 33 in SW. quad. each sec., $5\frac{1}{2}$ ft. dist. and
raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land, broken, heavily rolling.
Soil, 3rd rate, gravelly, sandy, dry.
Mesquite, catclaw, cacti, sparse grass.

- N. 89°46' E., on a random line bet. secs. 27 & 34.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect N. & S. line 2 lks. S. of cor. of
secs. 26, 27, 34 & 35, hereinbefore described,
whence I run,
S. 89°45' W., on a true line bet. secs. 27 & 34.
Over heavily rolling land, through scattering brush.
Asc.
- 2.00 Ridge, brs. N. & S., desc. grad.
- 5.75 Wash, 15 lks. wide, course N., asc. grad.
- 8.00 Spur, brs. N. & S., desc. grad.
- 10.00 Wash, 20 lks. wide, course N., asc. grad.
- 13.50 Spur, brs. N. & S., desc. grad.
- 18.25 Wash, 20 lks. wide, course N., asc. grad.
- 21.00 Ridge, brs. N. & S.; descend steep.
- 26.00 Desc. grad.
- 31.00 Wash, 25 lks. wide, course N., asc. grad.
- 37.00 Ridge, brs. N. & S., desc. grad.
- 40.02 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap 1913
in S rim; $\frac{1}{4}$ S 27 in N., and
S 34 in S. half;
dig pits 18x18x12 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.
- 40.50 Wash, 10 lks. wide, course N., asc. grad.
- 44.50 Ridge, brs. NNW. & SE., desc. along SSW. slope.
- 80.04 To cor. of secs. 27, 28, 33 & 34.
Land, broken, heavily rolling.
Soil, 3rd rate, gravelly, dry, sandy, loose.
Mesquite, catclaw, cacti, fair grass.

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Subdivision of T. 8 S., R. 15 W.

Chains.

- N. $0^{\circ} 5'$ W., bet. secs. 27 & 28.
Over rolling land, asc. grad., through dense brush.
- 15.00 Low flat, ridge, brs. WNW. & ESE., desc. grad.
- 30.75 Enter draw, course NNW., from SSE.
- 32.25 Wash, 40 lks. wide, course NW.
- 35.00 Wash, 40 lks. wide, course WNW.
- 37.35 Wash, 40 lks. wide, course WSW.
- 38.00 Leave draw, course WSW.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 28 in W., and No bearings available. S 27 in E. half; Pits impracticable.
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 58.00 Enter same draw, course NNE.
- 61.00 Wash, 30 lks. wide, course NE.
- 65.00 Wash, 75 lks. wide, course NNE.
- 67.50 Leave draw, course NNE.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 21, 22, 27 & 28, marked on brass cap, T 8 S R 15 E, in N. half; 1913 in S rim; S 21 in NW., No bearings available: Pits S 22 in NE., impracticable. S 27 in SE., and S 28 in SW. quad.;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- Land, broken, rolling.
Soil, 3rd rate, gravelly, dry, sandy, loose.
Mesquite, catclaw, cacti, sparse grass.
-
- N. $89^{\circ} 45'$ E., on a random line bet. secs. 22 & 27.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. & S. line 2 lks. N. of cor. of secs. 22, 23, 26 & 27, hereinbefore described, whence I run, S. $89^{\circ} 46'$ W., on a true line bet. secs. 22 & 27.
Over rolling, broken land, through dense brush.
- 17.00 Wash, 20 lks. wide, course NW.
- 35.00 Road, brs. NW. & SE.
- 40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 22 in N., and S 27 in S. half;
dig pits 18x18x12 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.
At this cor., at noon, I set off $10^{\circ} 05\frac{1}{2}'$ N. on the decl. arc, and observe the sun on the meridian.
The resulting lat. is $32^{\circ} 43'$ N.
- 41.00 Wash, 15 lks. wide, course NNW.
- 49.00 Wash, 180 lks. wide, course NNW.
- 65.00 Wash, 30 lks. wide, course N., asc.
- 70.00 Spur, brs. N. & S., desc.
- 73.00 Wash, 20 lks. wide, course N.
- 76.00 Wash, 20 lks. wide, course NNE.
- 80.02 To cor. of secs. 21, 22, 27 & 28.
Land, broken, heavily rolling.
Soil, 3rd rate, gravelly, dry, loose.
Mesquite, cacti, catclaw, fair grass.

Chains.

N. 0° 5' W., bet. secs. 21 & 22.
 Over heavily rolling land, through dense brush, asc.
 13.50 Knoll, 150 ft. high, brs. NW. & SE., desc.
 17.00 Enter draw, course NW.
 19.25 Wash, 2 chs. wide, course NW.
 30.45 Road, brs. WNW. & SE.
 36.00 Wash, 90 lks. wide, course W.
 As point for $\frac{1}{4}$ sec. cor. will fall in wash, at
 38.60 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for witness cor. to $\frac{1}{4}$ sec. cor., marked on
 brass cap, W C $\frac{1}{4}$ N. of centre, 1913 in S. rim;
 S 21 in SW., and
 S 22 in SE. quad.;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 40.00 Wash, 120 lks. wide, course WNW. Point for $\frac{1}{4}$ sec. cor.
 48.00 Leave draw, course WNW., asc.
 50.00 Ridge, brs. E. & W., desc.
 63.00 Asc.
 75.00 Spur, brs. NW., from SE., desc.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 15, 16, 21 & 22, marked on
 brass cap, T 8 S R 15 E, in N. half, 1913 in S rim;
 S 16 in NW.,
 S 15 in NE.,
 S 22 in SE., and
 S 21 in SW. quad.;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 No trees available, pits impracticable.
 Land, broken, heavily rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite, catclaw brush, cacti. sparse grass.

N. 89°46' E., on a random line bet. secs. 15 & 22.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. & S. line 2 lks. N. of cor. of secs. 14, 15,
 22 & 23, hereinbefore described, whence I run,
 S. 89°47' W., on a true line bet. secs. 15 & 22.
 Over heavily rolling, broken land, through scattering
 brush, desc. grad.
 12.50 Wash, 20 lks. wide, course NW.,
 39.99 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913
 in S. rim; $\frac{1}{4}$ S 15 in N., and
 S 22 in S. half;
 dig pits 18x18x12 ins. E. & W. of cor. $\frac{2}{2}$ ft. dist., and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 50.00 Enter draw, course NW.
 62.00 Wash, 2 chs. wide, course NW.
 77.00 Wash, 15 lks. wide, course N.
 78.00 Leave draw, course NW.
 79.98 To cor. of secs. 15, 16, 21 & 22.
 Land, broken, heavily rolling.
 Soil, 3rd rate, gravelly, dry, loose.
 Sparse mesquite, catclaw. cacti, fair grass.
 August 27, 1913.

J.B.W.

Chains.	
	August 29, 1913. J.B.W. At 7h a.m., l.m.t., at the cor. of secs. 15, 16, 21 & 22, hereinbefore described, I set off 9°29' N. on the decl. arc, and 32°43½' N. on the lat. arc, and determine a meridian with the solar. Thence I run, N. 0° 5' W., bet. secs. 15 & 16. Over rolling land, across draw, through dense brush.
5.60	Wash, 5 chs. wide, course NW.
11.10	Wire fence, brs. NE. & SW.
17.00	Wire fence, brs. NW. & SE.
24.50	Wash, 20 lks. wide course NW.
25.00	Leave draw, course WNW., asc.
28.50	Top of rise, brs. WNW. and ESE.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913 in S. rim, ¼ S 16 in W., and No bearings available. S 15 in E. half; Pits imprac. raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
60.00	Desc.
65.00	Enter draw, course WNW.
75.00	Wash, 2 chs. wide, course WNW.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 9, 10, 15 & 16, marked on brass cap, T 8 S R 15 E, in N. half, 1913 on S. rim; S 9 in NW., S 10 in NE., S 15 in SE., and S 16 in SW. quad.; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. No bearings available, pits impracticable. Land, broken, rolling. Soil, 3rd rate, gravelly, dry, sandy. Mesquite, catclaw, cacti, sparse grass.
40.00	N. 89°47' E., on a random line bet. secs. 10 & 15. Set temp. ¼ sec. cor.
80.04	Intersect N. & S. line 5 lks. S. of cor. of secs. 10, 11, 14 & 15, hereinbefore described, whence I run, S. 89°45' W., on a true line bet. secs. 10 & 15. Over heavily rolling land, through dense brush.
5.00	Wash, 20 lks. wide, course NW.
8.00	Wash, 20 lks. wide, course NW., asc.
20.00	Ridge, brs. NW. & SE., desc.
40.02	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913 in S. rim; ¼ S 10 in N., and S 15 in S. half; dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
45.00	Draw, 3 chs. wide, course NW.
54.00	Wash, 20 lks. wide, course NW.
63.00	Wash, 20 lks. wide, course NW., asc.
70.00	Ridge, brs. NW. & SE., desc.
75.00	Wash, 10 lks. wide, course SE., asc. grad.
80.04	To cor. of secs 9, 10, 15 & 16. Land, broken, heavily rolling. Soil, 3rd rate, loose, gravelly, dry. Mesquite, catclaw, cacti, fair grass.
5.00	N. 0° 5' W., bet. secs. 9 & 10. Over rolling, broken land, through dense brush, asc.
15.00	Ridge, brs. NW. & SE., desc.
30.00	Wash, 20 lks. wide, course WNW.
40.00	Wash, 30 lks. wide, course WNW., thence along stony, broken W. slope of mesa rim. Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913 in S. rim; ¼ S 9 in W., and No bearings available. S 10 in E. half; Pits impracticable. raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Subdivision of T. 8 S., R. 15 E.

Chains.

60.00 Enter Camp Grant Wash, course NNE.
 66.00 Road, brs. ENE. & WSW., Tucson to Winkelman.
 78.00 Leave wash, course NNE.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 9 & 10, marked on brass cap. T 8 S R 15 E, in N. half, 1913 in S. rim, S 4 in NW., S 3 in NE., S 10 in SE., and S 9 in SW. quad.; from which,
 A catclaw tree 6 ins. diam. brs. N. 84 1/4 ° E. 30 lks. dist., marked T 8 S R 15 E S 3 B T.
 A catclaw tree 6 ins. diam. brs. S. 53 1/4 ° E. 52 lks. dist., marked T 8 S R 15 E S 10 B T.
 A mesquite tree 12 ins. diam. brs. S. 59 1/2 ° W. 120 lks. dist., marked T 8 S R 15 E S 9 B T.
 A catclaw tree 6 ins. diam. brs. N. 57 ° W. 92 lks. dist., marked T 8 S R 15 E S 4 B T.
 Land, broken, rolling. Soil, 3rd rate, sandy, gravelly, Mesquite, cacti, catclaw, sparse grass.
 At this cor., at noon, I set off 9 ° 23 1/2 ' N. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is 32 ° 44 1/2 ' N.

N. 89 ° 45 ' E., on a random line bet. secs. 3 & 10.
 40.00 Set temp. 1/4 sec. cor.
 80.02 Intersect N. & S. line 2 lks. S. of cor. of secs. 2, 3, 10 & 11, hereinbefore described, whence I run, S. 89 ° 44 ' W., on a true line bet. secs. 3 & 10.
 Over heavily rolling land, desc., through dense brush.
 19.00 Wash, 20 lks. wide, course NNW.
 30.00 Wash, 10 lks. wide, course NW.
 40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1913 in S. rim, 1/4 S 3 in N., and No bearings available. S 10 in S. half; Pits impracticable.
 raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
 46.00 Wash, 20 lks. wide, course NW.
 62.00 Enter draw, course NE.
 72.00 Road, brs. NNE. & SSW.
 74.00 Enter Camp Grant Wash, course NNE.
 79.70 Leave wash.
 80.02 To cor. of secs. 3, 4, 9 & 10.
 Land, broken, rolling. Soil, 3rd rate, gravelly, sandy. Mesquite, cacti, catclaw, fair grass.

N. 0 ° 21 ' W., on a random line bet. secs. 3 & 4.
 40.00 Set temp. 1/4 sec. cor.
 79.25 Intersect N. bdy. of Tp. 2 lks. W. of cor. of secs. 3, 4, 33 & 34, recently established by me, and described in book C, whence I run, S. 0 ° 20 ' E., on a true line bet. secs. 3 & 4.
 Over heavily rolling, broken land, asc., through dense brush.
 0.75 Ridge, brs. E. & W., desc.
 12.25 Wash, 20 lks. wide, course ESE., asc.
 24.75 Dim road, brs. E. & W., on small knoll. desc.
 32.25 Wash, 20 lks. wide, course SE.
 39.25 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1913 in S. rim; 1/4 S 4 in W., and S 3 in E. half; from which,
 A mesquite tree 4 ins. diam. brs. S. 15 ° E. 101 lks. dist., marked 1/4 S 3 B T.
 A mesquite tree 10 ins. diam. brs. N. 27 ° W. 52 lks. dist., marked 1/4 S 4 B T.
 44.00 Wash, 20 lks. wide, course SE., asc.
 59.25 Ridge, brs. E. & W., desc.
 79.25 To cor. of secs. 3, 4, 9 & 10.
 Land, broken, rolling. Soil, 3rd rate, gravelly, dry. Mesquite, cacti, catclaw, sparse grass.
 August 29, 1913. J. B. W.

Chains.

August 27, 1913. W. H. E.
 At 7h a.m., l.m.t., at the cor. of secs. 32 & 33, on the S. bdy. of the Tp., recently established by J. B. Wright, and described in book "C."
 I set off 10°11' N. on the decl. arc, and 32°41' N. on the lat. arc, and determine a meridian with the solar. Thence I run,
 N. 0° 5' W., bet. secs. 32 & 33.
 Over rolling, broken land, desc. grad., through scattering brush.
 29.00 Wash, 20 lks. wide, course NW.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S rim; $\frac{1}{4}$ S 32 in W., and S 33 in E. half;
 dig pits 18x18x12 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.
 76.00 Enter draw, course NW.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 28, 29, 32 & 33, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S rim;
 S 29 in NW.,
 S 28 in NE.,
 S 33 in SE., and
 S 32 in SW. quad.;
 dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
 Land, rolling.
 Soil, 3rd rate, gravelly, sandy, loose, dry.
 Mesquite, cacti, catclaw, fair grass.

N. 89°46' E., on a random line bet. secs. 28 & 33.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect cor. of secs. 27, 28, 33 & 34, hereinbefore described, whence I run,
 S. 89°46' W., on a true line bet. secs. 28 & 33.
 Over rolling land, through scattering brush.
 11.50 Wash, 15 lks. wide, course N., asc. grad.
 14.00 Ridge brs. N. & S., desc. grad.
 16.00 Wash, 15 lks. wide, course N.
 27.50 Gulch, 20 lks. wide, 15 ft. deep. course NNE.
 40.05 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S rim; $\frac{1}{4}$ S 28 in N., and S 33 in S. half;
 dig pits 18x18x12 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.
 64.00 Road, on ridge brs. NNW. & SSE., desc.
 75.00 Wash, 30 lks. wide, course NW.
 80.10 To cor. of secs. 28, 29, 32 & 33.
 Land, heavily rolling.
 Soil, 3rd rate, gravelly, sandy, loose, dry.
 Mesquite, catclaw, cacti, sparse grass.

Chains.

N. 0° 5' W., bet. secs. 28 & 29.
 Over rolling land, through scattering brush.
 3.00 Wash, 30 lks. wide, course NW.
 4.00 Leave draw, course NNW.
 14.00 Enter draw, course NNE.
 18.00 Wash, 20 lks. wide, course NNE.
 22.00 Same wash, course NNW.
 30.60 Road, brs. NNW. & SSE.
 35.00 Wash, 120 lks. wide, course NNW.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 29 in W., and S 28 in E. half; from which,
 A cedar tree 8 ins. diam. brs. N. 63 $\frac{3}{4}$ ° E. 124 lks. dist., marked $\frac{1}{4}$ S 28 B T.
 A mesquite tree 6 ins. diam. brs. N. 45 $\frac{1}{2}$ ° W. 131 lks. dist., marked $\frac{1}{4}$ S 29 B T.
 Asc. grad. from cor.
 50.50 Spur, brs. ESE. & WNW., desc.
 66.00 Wash, 10 lks. wide, course NW.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 20, 21, 28 & 29, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S. rim; S 20 in NW., S 21 in NE., S 28 in SE., and S 29 in SW. quad.; from which,
 A catclaw tree 4 ins. diam. brs. N. 18 $\frac{1}{4}$ ° E. 62 lks. dist., marked T 8 S R 15 E S 21 B T.
 A catclaw tree 4 ins. diam. brs. S. 15 $\frac{1}{4}$ ° E. 39 lks. dist., marked T 8 S R 15 E S 28 B T.
 A catclaw tree 6 ins. diam. brs. S. 2° W. 112 lks. dist., marked T 8 S R 15 E S 29 B T.
 A catclaw tree 6 ins. diam. brs. N. 31° W. 148 lks. dist., marked T 8 S R 15 E S 20 B T.
 Land, heavily rolling, broken.
 Soil, 3rd rate, gravelly, sandy, dry, loose.
 Mesquite, catclaw, cacti, sparse grass.
 At this cor., at noon, I set off 10° 05 $\frac{1}{2}$ ' N. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is 32° 43' N.

N. 89° 46' E., on a random line bet. secs. 21 & 28.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.08 Intersect N. & S. line 5 lks. N. of cor. of secs. 21, 22, 27 & 28, hereinbefore described, whence I run, S. 89° 48' W., on a true line bet. secs. 21 & 28.
 Over rolling, broken land, through dense brush.
 40.04 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 21 in N., and S 28 in S. half; from which,
 A catclaw tree 8 ins. diam. brs. N. 73 $\frac{1}{2}$ ° E. 86 lks. dist., marked $\frac{1}{4}$ S 21 B T.
 A catclaw tree 6 ins. diam. brs. S. 30° E. 40 lks. dist., marked $\frac{1}{4}$ S 28 B T.
 68.60 Wash, 20 lks. wide, course N.
 80.08 To cor. of secs. 20, 21, 28 & 29.
 Land, rolling.
 Soil, 3rd rate, gravelly, sandy, loose, dry.
 Mesquite, catclaw, cacti sparse grass.

Chains.	
	N. 0° 5' W., bet secs. 20 & 21. Over rolling land, through scattering brush, desc.
16.00	Wash, 10 lks. wide, course NNW.
36.00	Enter valley of Camp Grant wash.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 20 in W., and S 21 in E. half; from which, A catclaw tree 4 ins. diam. brs. S. 25° E. 73 lks. dist., marked $\frac{1}{4}$ S 21 B T. A catclaw tree 4 ins. diam. brs. N. 28 $\frac{1}{2}$ ° W. 52 lks. dist., marked $\frac{1}{4}$ S 20 B T.
48.14	Road, brs. NNE. & SSW.
49.40	Main road, Tucson to Winkelman, brs. NE. & SW.
56.00	Enter Camp Grant wash, course NE.
66.00	Leave wash.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 16, 17, 20 & 21, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S. rim S 17 in NW., S 16 in NE., S 21 in SE., and S 20 in SW. quad.; from which, A mesquite tree 6 ins. diam. brs. N. 18 $\frac{1}{2}$ ° E. 142 lks. dist., marked T 8 S R 15 E S 16 B T. A catclaw tree 6 ins. diam. brs. S. 25° E. 211 lks. dist., marked T 8 S R 15 E S 21 B T. A mesquite tree 8 ins. diam. brs. S. 57 $\frac{1}{2}$ ° W. 213 lks. dist., marked T 8 S R 15 E S 20 B T. A catclaw tree 8 ins. diam. brs. N. 38 $\frac{1}{4}$ ° W. 153 lks. dist., marked T 8 S R 15 E S 17 B T.
	Land, broken, rolling. Soil, 2nd & 3rd rate, sandy, loamy, loose, dry. Mesquite, catclaw, cacti, sparse grass, willows in wash.
40.00	N. 89° 48' E., on a random line bet. secs. 16 & 21. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. & S. line 2 lks. S. of cor. of secs. 15, 16, 21 & 22, hereinbefore described, whence I run, S. 89° 47' W., on a true line bet. secs. 16 & 21. Over rolling, broken land, through dense brush, asc.
5.00	Ridge, brs. NW. & SE., desc.
24.00	Wire fence, brs. NE. & SW.
30.00	Wire fence, brs. NW. & SE.
40.02	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 16 in N., and S 21 in S. half; dig pits 18x18x12 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.
45.00	Enter valley of Camp Grant Wash, brs. NNE. & SSW. Ranch house, well, corral, etc. brs. North, 15 chs. dist., owned by Wills & Kellogg.
50.00	Wash, 10 lks. wide, course NW.
57.00	Road, brs. NE. & SW., Tucson To Winkelman.
65.00	Camp Grant wash, 5 chs. wide, course NE.
80.04	To cor. of secs. 16, 17, 20 & 21. Land, broken, rolling. Soil, 2nd & 3rd rate, sandy, loamy, loose, gravelly. Catclaw, mesquite, cacti, sparse grass, willows. August 27, 1913. W.H.E.

Subdivision of T. 8 S., R. 15 E.

Chains.

August 30, 1913. J. B. W.
 At 7h a.m., l.m.t., at the cor. of secs. 16, 17, 20 and 21, hereinbefore described,
 I set off $9^{\circ}07\frac{1}{2}'$ N. on the decl. arc, and $32^{\circ}43\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run,
 N. $0^{\circ}5'$ W., bet. secs. 16 & 17.
 Over rolling land, through dense brush.
 4.00 Wash, 50 lks. wide, course NE.
 10.00 Wash, 10 lks. wide, course ENE.
 24.00 Wash, 20 lks. wide, course ESE.
 26.00 Wash, 20 lks. wide, course ENE., asc.
 36.40 Ridge, brs. ESE. & WNW., desc.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S.rim; $\frac{1}{4}$ S 17 in W., and S 16 in E. half; from which,
 A catclaw tree 6 ins. diam. brs. N. 67° E. 131 lks. dist., marked $\frac{1}{4}$ S 16 B T.
 A mesquite tree 6 ins. diam. brs. N. 20° W. 15 lks. dist., marked $\frac{1}{4}$ S 17 B T.
 44.00 Wash, 10 lks. wide, course E., asc.
 51.00 Ridge, brs. E. & W., desc.
 55.00 Wash, 10 lks. wide, course ESE., asc.
 60.00 Ridge, brs. ENE. & WSW., desc.
 70.00 Wash, 20 lks. wide, course ENE., asc.
 75.00 Ridge, brs. E. & W., desc.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 8, 9, 16 & 17, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S.rim; S 9 in NE., S 8 in NW., S 16 in SE., and S 17 in SW. quad.; dig pits 18x 8x12 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, rolling, broken. Soil, 3rd rate, gravelly, sandy. Catclaw, mesquite brush, cacti, sparse grass.

N. $89^{\circ}47'$ E., on a random line bet. secs. 9 & 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect N. & S. line 2 lks. N. of cor. of secs. 9, 10, 15 and 16, hereinbefore described, whence I run, S. $89^{\circ}48'$ W., on a true line bet. secs. 9 & 16.
 Over rolling land, through dense brush.
 17.00 Road, brs. NNE. & SSW., Tucson to Winkelman.
 21.50 Wash, 20 lks. wide, course NE.
 25.00 Wash, 20 lks. wide, course NE.
 32.50 Camp Grant Wash, 3 chs. wide, course NNE.
 40.03 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S.rim; $\frac{1}{4}$ S 9 in N., and S 16 in S. half;
 dig pits 18x18x12 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. Asc.
 44.50 Ridge, brs. NE. & SW., desc.
 65.00 Wash, 20 lks. wide, course NE., asc.
 75.50 Ridge, brs. NNE & SSW., desc.
 80.06 To cor. of secs. 8, 9, 16 & 17.
 Land, broken, rolling.
 Soil, 3rd rate, gravelly, dry, loose.
 Catclaw, mesquite, cacti, willow.
 At this cor., at noon, I set off $9^{\circ}02'$ N. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is $32^{\circ}44'$ N.

Chains.	
	N. 0° 5' W., bet. secs. 8 & 9. Over rolling land, through scattering brush.
2.50	Wash, 10 lks. wide, course NE.
7.50	Wash, 25 lks. wide, course ESE.
12.50	Wash, 50 lks. wide, course ESE., asc.
22.00	Ridge, brs. E. & W., desc.
36.50	Wash, 90 lks. wide, course ESE., asc.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 8 in W., and S 9 in E. half; dig pits 18x18x12 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.
45.00	Ridge, brs. WNW. & ESE., desc.
50.00	Wash, 20 lk. wide, course ESE.
62.00	Wash, 15 lks. wide, course ESE., asc.
70.00	Ridge, brs. E. & W., desc.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 8 & 9, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S. rim; S 5, in NW., S 4, in NE., S 9, in SE., and S 8, in SW. quad.; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, rolling, broken. Soil, 3rd rate, gravelly, sandy. Catclaw, mesquite brush, cacti, sparse grass.
	N. 89° 48' E., on a random line bet. secs. 4 & 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. & S. line 2 lks. S. of cor. of secs. 3, 4, 9 & 10, hereinbefore described, whence I run, S. 89° 47' W., on a true line bet. secs. 4 & 9. Over rolling land, through scattering brush, asc.
14.50	Ridge, brs. SW. & NE., desc.
17.00	Wash, 15 lks. wide, course NE.
22.50	Wash, 20 lks. wide, course NNE., asc.
27.50	Ridge, brs. N. & S., desc.
33.00	Wash, 40 lks. wide, course NE., asc.
40.03	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 4 in N., and S 9 in S. half; dig pits 18x18x12 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.
59.00	Ridge, brs. NE. & SW., desc.
80.06	To cor. of secs. 4, 5, 8 & 9. Land, rolling, broken. Soil, 3rd rate, gravelly, dry. Catclaw, mesquite, cacti, fair grass.
	N. 0° 20' W., on a random line bet. secs. 4 & 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.65	Intersect N. bdy. of Tp. 2 lks. W. of cor. of secs. 4, 5, 32 & 33, recently established by me, and described in book C, whence I run, S. 0° 19' E., on a true line bet. secs. 4 & 5. Over broken, rolling land, through dense brush.
14.60	Wash, 100 lks. wide, course ESE.
24.65	Wash, 20 lks. wide, course E.
35.60	Wash, 150 lks. wide, course ENE.
39.65	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 5 in W., and S 4 in E. half; from which, A catclaw tree 6 ins. diam. brs. S. 56° E. 100 lks. dist., marked $\frac{1}{4}$ S 4 B T. A catclaw tree 6 ins. diam. brs. S. 47° W. 106 lks. dist., marked $\frac{1}{4}$ S 5 B T.
42.15	Wash, 90 lks. wide, course ENE.
68.60	Wash, 20 lks. wide, course ESE., asc.
77.60	Wash, 60 lks. wide, course E.
79.65	To cor. of secs. 4, 5, 8 & 9. Land, broken. Soil, 3rd rate, Mesquite, catclaw, cacti. Aug. 30, 1913. J. B. W.

Chains.

August 28, 1913. J. B. W.
At 7h a.m., l.m.t., at the cor. of secs. 31 & 32, on the S. bdy. of the Tp., established by me, and heretofore described in book C,

I set off 9°50' N. on the decl. arc, and 32°41' N. on the lat. arc, and determine a meridian with the solar.

Thence I run,
N. 0° 6' W. bet. secs. 31 & 32.

Over rolling, land, through dense brush.

1.00 Wash, 30 lks. wide, course NW.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913 in S. rim; ¼ S 31 in W., and S 32 in E. half; from which,

A catclaw tree 4 ins. diam. brs. S. 85° E. 55 lks. dist., marked ¼ S 32 B T.

A mesquite tree 4 ins. diam. brs. S. 73° W. 65 lks. dist., marked ¼ S 31 B T.

63.00 Enter valley of Camp Grant wash, course NNE., & SSW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 29, 30, 31, & 32, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S. rim; S 30 in NW., S 29 in NE., S 32 in SE., and S 31 in SW. quad.;

dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. No bearings available.

Land, rolling.

Soil, 2nd & 3rd rate, gravelly, sandy, loamy, loose.

Mesquite, catclaw, cacti, willows, sparse grass.

N. 89°46' E., on a random line bet. secs. 29 & 32.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect cor. of secs. 28, 29, 32 & 33, hereinbefore described, whence I run,

S. 89°46' W., on a true line bet. secs. 29 & 32.

Over broken land, through scattering brush.

3.00 Wash, 20 lks. wide, course NW.

38.00 Wash, 20 lks. wide, course NNW.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913 in S. rim; ¼ S 29 in N., and S 32 in S. half;

dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.

73.00 Enter valley of Camp Grant wash, brs. NE. & SW.

80.00 To cor. of secs. 29, 30, 31 & 32.

Land, rolling, broken.

Soil, 3rd rate, gravelly, sandy, loamy, dry.

Mesquite, catclaw, cacti, sparse grass.

The cor. of secs. 25, 30, 31 & 36, on W. bdy. of Tp. being visible, I run, on true line,

S. 89°46' W., bet. secs. 30 & 31.

Across valley of Camp Grant wash.

2.63 Road, brs. NNE. & SSW.

5.00 Enter Camp Grant wash, course NNE.

11.30 Leave wash.

13.50 To cor. of secs. 25, 30, 31 & 36, on west bdy. of Tp., recently established by me, and heretofore described in book C.

Land, rolling.

Soil, 3rd rate, gravelly, dry, sandy.

Mesquite, catclaw, willow, sparse grass.

Chains.	
	N. 0° 6' W., bet. secs. 29 & 30. Over valley of Camp Grant wash.
6.30	Road, brs. NNE. & SSW., Tucson to Winkelman.
8.00	Enter Camp Grant wash, course NNE.
15.40	Leave wash.
38.40	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 $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S.rim; $\frac{1}{4}$ S 30 in W., and S 29 in E. half; from which, A mesquite tree 6 ins.diam.brs.S. 15°E. 158 lks. dist., marked $\frac{1}{4}$ S 29 B T. A catclaw tree 8 ins.diam. brs. S.40°W. 117 lks. dist., marked $\frac{1}{4}$ S 30 B T.
55.00	Leave valley, brs. NNE. & SSW., enter heavily rolling land.
59.40	Wash, 20 lks. wide, course ESE.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 19,20,29 & 30, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S.rim; S 19 in NW., S 20 in NE., S 29 in SE., and S 30 in SW. quad.; dig pits 18x18x12 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, broken, gently rolling. Soil, 2nd & 3rd rate, sandy, loamy, gravelly, dry. Mesquite, catclaw, cacti, willow, sparse grass.
	N. 89°46' E., on a random line bet. secs. 20 & 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. & S. line 2 lks. S. of cor. of secs. 20,21, 28 & 29, hereinbefore described, whence I run, S. 89°45' W., on a true line bet. secs. 20 & 29. Over rolling land, desc. grad., through dense brush.
7.60	Road, brs. N. & S.
26.00	Wash, 1 ch. wide, course N.
30.00	Wash, 1 ch. wide, course NNW.
38.30	Main road, Tucson to Winkelman, brs. NNE. & SSW.
40.01	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S.rim; $\frac{1}{4}$ S 20 in N., and S 29 in S. half; from which, A catclaw tree 6 ins.diam.brs. S.30 $\frac{1}{2}$ °W. 220 lks. dist., marked $\frac{1}{4}$ S 29 B T. A mesquite tree 6 ins.diam. brs.N.65°W. 137 lks. dist., marked $\frac{1}{4}$ S 20 B T.
50.00	Enter Camp Grant wash, course NNE.
67.50	Leave wash.
80.02	To cor. of secs. 19,20,29 & 30. Land, broken, rolling. Soil, 3rd rate, sandy, loamy, dry. Mesquite, catclaw, cacti, sparse grass. At this cor., at noon, I set off 9°44 $\frac{1}{2}$ ' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 32°43' N.
	From the above described cor., a flag at the cor. of secs. 19,24,25 & 30 on W. bdy. of Tp. brs. S.89°48'W. Therefore I run, on true line, S. 89°48' W., bet. secs. 19 & 30. Over rolling land, asc.
13.42	To cor. of secs. 19,24,25 & 30, as recently established by me, and heretofore described in book C. Land, rolling. Soil, 3rd rate, gravelly, dry. Scattering mesquite, cacti, catclaw.

Chains.

N. 0° 06' W., bet. secs. 19 & 20.
Over heavily rolling, broken land, through scattering brush.

- 10.00 Road, brs. E. & W.
- 19.00 Wash, 150 lks. wide, course ENE., asc. grad.
- 38.00 Ridge, brs. E. & W., desc. grad.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 19 in W., and S 20 in E. half; dig pits 18x18x12 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.
- 46.00 Wash, 20 lks. wide, course ENE.
- 55.00 Asc.
- 61.00 Ridge, brs E. & W., desc.
- 73.50 Wash, 20 lks. wide, course ENE.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 17, 18, 19 & 20, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S. rim; S 18 in NW., S 17 in NE., S 20 in SE., and S 19 in SW. quad.; dig pits 18x18x12 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, rolling, broken. Soil, 3rd rate, gravelly, dry. Scattering mesquite, catclaw, dense cacti.

N. 89° 45' E., on a random line bet. secs. 17 & 20.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect N. & S. line 7 lks. N. of cor. of secs. 16, 17, 20 & 21, hereinbefore described, whence I run, S. 89° 48' W., on a true line bet. secs. 17 & 20. Over rolling land, through dense brush.
- 4.00 Wash, 90 lks. wide, course NE.
- 8.00 Leave draw, asc.
- 11.00 Ridge, brs. N. & S., desc. grad.
- 40.02 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 17 in N., and S 20 in S. half; from which, A catclaw tree 6 ins. diam. brs. N. 24° W. 108 lks. dist., marked $\frac{1}{4}$ S 17 B T. A catclaw tree 8 ins. diam. brs. S. 35° W. 56 lks. dist., marked $\frac{1}{4}$ S 20 B T.
- 41.00 Wash, 20 lks. wide, course NE.
- 52.00 Wash, 50 lks. wide, course NE.
- 73.00 Wash, 20 lks. wide, course NE.
- 80.04 To cor. of secs. 17, 18, 19 & 20. Land, broken, rolling. Soil, 3rd rate, gravelly, dry. Mesquite, catclaw, cacti, fair grass.

From the above described cor., a flag at the cor. of secs. 13, 18, 19 & 24, on W. bdy. of Tp. brs. S. 89° 45' W. Therefore I run, on true line, S. 89° 45' W., bet. secs. 18 & 19. Over rolling land, through scattering brush.

13.30 To cor. of secs. 13, 18, 19 & 24, as recently established by me, and heretofore described in book "C". Land, rolling. Soil, 3rd rate, gravelly. Scattering catclaw, mesquite, cacti.

August 28, 1913. J. B. W.

Chains.	<p>August 30, 1913. W. H. E. At 7h a.m., l.m.t., at the cor. of secs. 17, 18, 19 & 20, hereinbefore described, I set off $9^{\circ}07\frac{1}{2}'$ N. on the decl. arc, and $32^{\circ}43\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run, N. $0^{\circ}6'$ W., bet. secs. 17 & 18. Over rolling land, through scattering brush, asc. grad.</p>
8.00	Ridge, brs. ENE. & WSW., desc.
11.50	Wash, 10 lks. wide, course ENE.
16.50	Wash, 20 lks. wide, course ENE.
25.00	Wash, 30 lks. wide, course ENE.
32.00	Wash, 40 lks. wide, course ENE.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim; $\frac{1}{4}$ S 18 in W., and S 17 in E. half; dig pits 18x18x12 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.
44.00	Wash, 10 lks. wide, course SE.
55.00	Wash, 10 lks. wide, course SE.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 8, 17 & 18, marked on brass cap, T 8 S R 15 E, in N. half, 1913 in S. rim; S 7 in NW., S 8 in NE., S 17 in SE., and S 18 in SW. quad.; from which, A mesquite tree 8 ins. diam. brs. N. $31\frac{1}{2}^{\circ}$ E. 47 lks. dist., marked T 8 S R 15 E S 8 B T. A mesquite tree 6 ins. diam. brs. S. $22\frac{1}{4}^{\circ}$ E. 46 lks. dist., marked T 8 S R 15 E S 17 B T. A mesquite tree 10 ins. diam. brs. S. 75° W. 108 lks. dist., marked T 8 S R 15 E S 18 B T. A catclaw tree 8 ins. diam. brs. N. 28° W. 130 lks. dist., marked T 8 S R 15 E S 7 B T.
	Land, broken, rolling. Soil, 3rd rate, gravelly, sandy. Mesquite, catclaw, cacti, fair grass.
40.00	N. $89^{\circ}48'$ E., on a random line bet. secs. 8 & 17. Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. & S. line 2 lks. N. of cor. of secs. 8, 9, 16 & 17, hereinbefore described, whence I run, S. $89^{\circ}49'$ W., on a true line bet. secs. 8 & 17. Over rolling, broken land, through dense brush.
5.00	Wash, 10 lks. wide, course NE.
20.00	Same wash, course SE.
39.98	Point for $\frac{1}{4}$ sec. cor. falls in wash, 20 lks. wide, course SE.
40.18	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap, W C $\frac{1}{4}$ E. of centre, 1913 in S. rim; S 8 in NW., and S 17 in SW. quad.; from which, A catclaw tree 8 ins. diam. brs. N. $39\frac{1}{2}^{\circ}$ E. 161 lks. dist., marked $\frac{1}{4}$ S 8 W C B T. A mesquite tree 6 ins. diam. brs. S. $35\frac{3}{4}^{\circ}$ E. 170 lks. dist., marked $\frac{1}{4}$ S 17 W C B T.
62.00	Wash, 20 lks. wide, course ESE.
79.96	To cor. of secs. 7, 8, 17 & 18. Land, rolling, broken. Soil, 3rd rate, gravelly, dry. Mesquite, catclaw, cacti, fair grass.
	From the above described cor., a flag at the cor. point of secs. 7, 12, 13 & 18, on W. bdy. of Tp. brs. S. $89^{\circ}48'$ W. Therefore I run, on true line, S. $89^{\circ}48'$ W., bet. secs. 7 & 18. Over rolling land, through scattering brush.
1.00	Enter wash, course ENE.
12.00	Leave wash.
13.10	To cor. pt. of secs. 7, 12, 13 & 18, on W. bdy. 15 lks. N. of W. C. estab by me, and described in book "C" Land, rolling. Soil, 3rd rate, gravelly. Mesquite, catclaw.

Chains.

N. 0° 6' W., bet. secs. 7 & 8.
 Over rolling land, through scattering brush.
 2.50 Wash, 30 lks. wide, course ESE.
 13.00 Wash, 20 lks. wide, course ENE.
 32.00 Wash, 10 lks. wide, course ENE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913
 in S. rim; $\frac{1}{4}$ S 7 in W., and
 S 8 in E. half; from which,
 A mesquite tree 8 ins. diam. brs. N. 25° E. 21 lks. dist.,
 marked $\frac{1}{4}$ S 8 B T.
 A mesquite tree 6 ins. diam. brs. S. 32 $\frac{1}{2}$ ° W. 80 lks. dist.,
 marked $\frac{1}{4}$ S 7 B T.

44.00 Asc.
 49.00 Ridge, brs. E. & W., desc.
 55.00 Foot, brs. E. & W.
 58.00 Wash, 20 lks. wide, course ENE.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 5, 6, 7 & 8, marked on
 brass cap, T 8 S R 15 E, in N. half, 1913 in S. rim;
 S 6 in NW.,
 S 5 in NE.,
 S 8 in SE., and
 S 7 in SW. quad.;
 dig pits 18x18x12 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, broken, rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite, catclaw, cacti, fair grass.
 At this cor., at noon, I set off 9° 02' N. on the decl.
 arc, and observe the sun on the meridian.
 The observed lat. is 32° 45' N.

N. 89° 49' E., on a random line bet. secs. 5 & 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. & S. line 16 lks. S. of cor. of
 secs. 4, 5, 8 & 9, hereinbefore described,
 whence I run,
 S. 89° 42' W., on a true line bet. secs. 5 & 8.
 Over rolling, broken land, through dense brush.
 18.20 Wash, 20 lks. wide, course NE., asc.
 30.00 Ridge brs. NE. & SW., desc.
 39.00 Wash, 20 lks. wide, course NE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 5 in N., and
 S 8 in S. half; from which,
 A catclaw tree 8 ins. diam. brs. N. 35 $\frac{1}{4}$ ° E. 53 lks. dist.,
 marked $\frac{1}{4}$ S 5 B T.
 A catclaw tree 6 ins. diam. brs. S. 89° E. 36 lks. dist.,
 marked $\frac{1}{4}$ S 8 B T.

62.20 Wash, 20 lks. wide, course NE.
 80.00 To cor. of secs. 5, 6, 7 & 8.
 Land, broken, rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite, catclaw, cacti, sparse grass.

From the above described cor., a flag at the cor. of
 secs. 1, 6, 7 & 12, on W. bdy. of Tp. brs. S. 89° 55' W.
 Therefore I run, on true line.
 S. 89° 55' W. bet. secs. 6 & 7.
 Over rolling land, through dense brush.
 2.10 Wash, 10 lks. wide, course SSE.
 12.80 To cor. of secs. 1, 6, 7 & 12, recently established
 by me, and described in book "C."
 Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite, catclaw, brush, cacti, fair grass.

Chains.

N. 0° 19' W., on a random line, bet. secs. 5 & 6.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. bdy. of Tp. 2 lks. E. of cor. of
 secs. 5, 6, 31 & 32, recently established by me, and
 described in book "C", whence I run,
 S. 0° 20' E., on a true line bet. secs. 5 & 6.
 Over rolling, broken land, through scattering brush.
 21.50 Wash, 20 lks. wide, course ESE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913
 in S rim; $\frac{1}{4}$ S 6 in W., and
 S 5 in E. half; from which,
 A mesquite tree 6 ins. diam. brs. N. 70° E. 62 lks. dist.,
 marked $\frac{1}{4}$ S 5 B T.
 No other trees available.
 Dig pits 18x18x12 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.
 45.00 Wash, 10 lks. wide, course SE., asc.
 55.00 Ridge, brs. E. & W., desc.
 60.50 Wash, 150 lks. wide, course ESE.
 80.00 To cor. of secs. 5, 6, 7 & 8.
 Land, broken, rolling.
 Soil, 3rd rate, gravelly, dry, loose, sandy.
 Catclaw, mesquite, cacti, fair grass.

W. H. E.

T. 8 S., R. 15 E.

General Description.

This township is in general, broken and heavily rolling land, draining from the East and West into Camp Grant wash. There is no living water in the Tp. The only settlement noted is the ranch of Wills and Kellogg, in SE. $\frac{1}{4}$ of sec. 16, better known as the "Snyder Ranch", consisting of frame house, good well, windmill, also pumping plant, corrals, etc., water being found at this point at a depth of 125 ft.

A small drain of water has been developed also by driving a tunnel for about 100 ft. into the granite cliff, near Camp Grant wash, in SE. $\frac{1}{4}$ of sec. 3.

There is no timber in the Tp, nor any indications of mineral. The rock formation is mostly granite base, overlaid with conglomerate with outcroppings of shale and gneiss in the deeper canyons in NE. portion of the Tp.

Some good agricultural land lies along the narrow valley of Camp Grant wash, but the land is in general suitable only for grazing purposes.

A considerable stream of running water shows up in Camp Grant wash about 10 chs. N. of the E. bdy. of the Tp. The wash below the water however, narrows into a canyon leading into the San Pedro River.

August 31, 1913.

Jesse B. Wright
William G. Elliott

U. S. Surveyors.

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FOR FINAL OATHS OF UNITED STATES SURVEYORS.

See Book "D"

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 _____ 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 UNITED STATES SURVEYOR GENERAL,
 Phoenix, Arizona, DECEMBER 30, 191 4

The foregoing field notes of the survey of the _____
 Subdivision lines of _____
 Township 8 South Range 15 East of the
 Gila and Salt River Base and Meridian,
 Arizona

executed by Jesse B. Wright and William H. Elliott, U.S. Surveyors
 under his special instructions dated July 24, 1913 for Group 30 _____, ~~191~~ _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
 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.