

2436

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BOOK 2436

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AUG. 2-1912

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Book "R"
Accepted G.L.O. letter "E" Dec. 15-1913.
FIELD NOTES

OF THE SURVEY OF THE
Subdivision of Township 23 North, Range 9 West.

Of the Gila and Salt River Base and Meridian,
In the State of Arizona.

EXECUTED BY
Jesse B. Wright,

In the capacity of U. S. Surveyor..., under instructions dated August 28, 1911,
issued by the United States Surveyor General to govern surveys included in
Group No. 15, which were approved by the Commissioner of the General Land
Office, September 28, 1911, pursuant to authority contained in the Act of
Congress dated June 25, 1910

Survey commenced November 26, 1911
Survey completed December 7, 1911

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BOOK 2436

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2nd Guide Meridian West

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Chains.

Survey commenced Nov. 26, 1911, and executed with a Young & Son's light mountain transit No. 8145, with Smith's patent solar attachment on side.

The horizontal limb of the instrument is provided with two double verniers placed opposite to each other and each reading to 1' of arc, which is also the least reading of the verniers of the latitude and declination arcs of the solar.

I examine and test all the adjustments of the transit and solar attachment, and finding same correct; then, in order to test the solar apparatus by comparing the results of observations on the sun, for meridians, made during p.m. & a.m. hours, respectively, with a true meridian determined by Observation of Polaris, I proceed as follows :

At 4h p.m., l.m.t., at the cor. of secs. 1, 2, 35 & 36, on the South bdy. of the Tp., as recently established by me and heretofore described in Book 2, lat. 35°20'00" N., long. 113°11'01" W.,

I set off 35°20' N. on the lat. arc, and 20°49½' S. on the decl. arc, and determine a meridian with the solar, and mark a point in the meridian thus determined by a tack in a stake driven firmly in the ground 5 chs. N. of my station. Nov. 26, 1911.

Nov. 27, 1911.

At 3h 04.5m a.m., l.m.t., I observe Polaris at Western Elongation, in accordance with instructions in the "Manual", and mark the line thus determined by a tack in a stake driven firmly in the ground 5 chs. N. of my station.

At 8h a.m., l.m.t., I set off the azimuth of Polaris, 1°26' to the East, and mark the true meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .40 ins. E. of the point in the meridian as determined by the solar on the preceding evening.

Then I set off 35°20' N. on the lat. arc, and 20°57' S. on the decl. arc, and determine a meridian with the solar, and mark a point on the meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .30 ins. E. of the point in the true meridian as established by Polaris observation.

The solar apparatus, by P.m. & a.m. hours observations, defines positions for meridians about 20" W., and 16"E. respectively, of the true meridian as established by observation of Polaris.

These errors being no greater than the ordinary errors of observations, I conclude that the instrument is in satisfactory adjustment.

At 8h a.m., the magnetic bearing of the true meridian is N. 16° W.; the angle thus determined gives the magnetic declination or variation as 16° E. From the cor., as above described, I run, as per instructions,

Chains

- N. 0° 1' W., bet. secs. 35 & 36.
Over gently undulating, open valley, through scattering sage brush and cacti, fine gramma grass.
- 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 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 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 23 N R 9 W, in N. half,
S 26 in NW.,
S 25 in NE.,
S 36 in SE., and
S 35 in SW. quadrants;
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, gently undulating, level. Soil, 3rd rate, sandy, loose. Sparse sage brush, cacti, good gramma grass.
-
- S. 89° 59' E.,
on a random line, bet. secs. 25 & 36.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect East bdy. of Tp. 9 lks. S. of cor. of secs. 25, 30, 31 & 36, which is an iron post 3 ins. in diam. 1 ft. above ground, with brass cap, marked and witnessed as described by the Surveyor-General, whence I run, S. 89° 57' W., on a true line, bet. secs. 25 & 36,
Over gently rolling valley.
- 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 25 in N., and S 36 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.
- 80.00 To cor. of secs. 25, 26, 35 & 36 ~~hereinbefore described~~
Land, gently rolling.
Soil, 2nd & 3rd rate, sandy, gravelly, loose, dry. Sparse sage brush, cacti, good gramma grass.
-
- N. 0° 1' W., bet. secs. 25 & 26.
Over gently rolling valley.
- 30.00 Asc. SE. slope of wooded hill, through dense cedar.
- 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 26 in W., and S 25 in E. half; from which
A pinon tree 10 ins. diam. hrs. S. 74 $\frac{1}{2}$ ° E. 85 lks. dist., marked $\frac{1}{4}$ S 25 B T.
A cedar tree 8 ins. diam. hrs. S. 81 $\frac{1}{2}$ ° W. 37 lks. dist., marked $\frac{1}{4}$ S 26 B T.
- 44.00 Leave cedar, enter valley, hrs. NW. & SE.
- 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 23 N R 9 W, in N. half,
S 23 in NW.,
S 24 in NE.,
S 25 in SE., and
S 26 in SW. quadrants;
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, sandy, gravelly.
Cedar, few pinon, cacti, good grass.

Chains.

N. 89°57' E., on a random line, bet. secs. 24 & 25.
 40.00 Set temp. 1/4 sec. cor.
 80.02 Intersect East bdy. of Tp. 16 lks. N. of cor. of
 secs. 19, 24, 25 & 30, which is an iron post 3 ins. in
 diam., 1 ft. above ground, with brass cap, marked and
 witnessed as described by the Surveyor-General,
 whence I run,
 N. 89°56' W., on a true line, bet. secs. 24 & 25.
 Over level valley.
 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,
 1/4 S 24 in N., and
 S 25 in S. half;
 dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
 raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
 80.02 To cor. of secs. 23, 24, 25 & 26. **hereinbefore described**
 Land, level, gently undulating.
 Soil, 3rd rate, sandy, gravelly, loose, dry.
 Sparse sage brush, cacti, good ~~gramma~~ grass.

N. 0° 1' W., bet. secs. 23 & 24.
 Over gently undulating valley.
 40.00 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,
 1/4 S 23 in W., and
 S 24 in E. half;
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
 raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
 80.00 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 23 N R 9 W, in N. half,
 S 14 in NW.,
 S 13 in NE.,
 S 24 in SE., and
 S 23 in SW. quadrants;
 dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
 Land, level, gently rolling.
 Soil, 3rd rate, sandy, loose, dry.
 Scattering sage brush, cacti, good ~~gramma~~ grass.
 At this cor., at noon, I set off 21°01' S. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is 35°23' N.

S. 89°56' E., on a random line, bet. secs. 13 & 24.
 40.00 Set temp. 1/4 sec. cor.
 80.04 Intersect East bdy. of Tp. 3 lks. S. of cor. of
 secs. 13, 18, 19 & 24, which is an iron post 3 ins. in
 diam. 1 ft. above ground, with brass cap, marked and
 witnessed as described by the Surveyor-General,
 whence I run,
 N. 89°57' W., on a true line, bet. secs. 13 & 24.
 Over gently undulating plain.
 40.02 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,
 1/4 S 13 in N., and
 S 24 in S. half;
 dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
 raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
 80.04 To cor. of secs. 13, 14, 23 & 24. **hereinbefore described**
 Land, gently rolling.
 Soil, sandy, gravelly, with some clay underlying.
 Sparse sage brush, cacti, good ~~gramma~~ grass.

Chains.

N. 0° 1' W., bet. secs. 13 & 14.
 Over level valley, stiff, sandy soil.
 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 14 in W., and S 13 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.
 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 23 N R 9 W, in N. half,
 S 11 in NW.,
 S 12 in NE.,
 S 13 in SE., and
 S 14 in SW. quadrants;
 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, stiff, sandy, heavy, some clay underlying.
 Sparse sage brush, cacti, fine gramma grass.

S. 89° 57' E., on a random line, bet. secs. 12 & 13.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect East bdy. of Tp. $2\frac{1}{2}$ lks. S. of cor. of secs. 7, 12, 13 & 18, which is an iron post 3 ins. in diam. 1 ft. above ground, with brass cap, marked and witnessed as described by the Surveyor-General, whence I run,
 N. 89° 58' W., on a true line, bet. secs. 12 & 13.
 Over level valley.
 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, $\frac{1}{4}$ S 12 in N., and S 13 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.
 80.02 To cor. of secs. 11, 12, 13 & 14. ~~hereinbefore described~~
 Land, level, gently undulating.
 Soil, 3rd rate, stiff, heavy, some clay.
 Sparse sage brush, cacti, good gramma grass.

N. 0° 1' W., bet. secs. 11 & 12.
 Over gently undulating valley.
 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;
 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.
 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 23 N R 9 W, in N. half,
 S 2 in NW.,
 S 1 in NE.,
 S 12 in SE., and
 S 11 in SW. quadrants;
 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, level, undulating.
 Soil, 3rd rate, stiff, sandy, some clay.
 Sparse sage brush, cacti, good gramma grass.

Chains S. 89°58' E., on a random line, bet. secs. 1 & 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect E. bdy. of Tp. 3 lks, N. of cor. of secs. 1, 6, 7 & 12, which is an iron post, 3 ins. diam. 1 ft. above ground, with brass cap, marked and witnessed as described by Surveyor-General, whence I run, N. 89°57' W., on a true line, bet. secs. 1 & 12. Over level valley.
 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, $\frac{1}{4}$ S 1 in N., and S 12 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.
 80.06 To cor. of secs. 1, 2, 11 & 12. hereinbefore described
 Land, level, gently undulating.
 Soil, 2nd rate, stiff, heavy.
 Sage brush. Good gramma grass.

N. 0° 1' W., on a random line, bet. secs. 1 & 2.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. bdy. of Tp. 14 lks. W. of cor. of secs. 1, 2, 35 & 36, which is an iron post 3 ins. diam., 1 ft. above ground, with brass cap, marked and witnessed as described by the Surveyor-General, whence I run, over level valley, S. 0° 05' W., on a true line, bet. secs. 1 & 2.
 39.96 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 2 in W., and S 1 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.
 79.96 To cor. of secs. 1, 2, 11 & 12. hereinbefore described
 Land, level, gently undulating.
 Soil, stiff, sandy, clayey, 2nd rate.
 Sage brush, few cacti. Fine gramma grass.
 Nov. 27, 1911.

Chains

Chains

Chains.	
	Nov. 23, 1911. At 9h 30m a.m., l.m.t., at the cor. of secs. 2, 3, 34 & 35, on the S. bdy. of the Tp., recently estab. & described by me in Book 2, I set off 21° 9' S. on the decl. arc, and 35° 20' N. on the lat. arc, and determine a meridian with the solar. Thence I run, N. 0° 1' W., bet. secs. 34 & 35. Over rolling land,
33.00	Enter cedar, brs. NE. & SW., asc. 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, $\frac{1}{4}$ S 34 in W., and S 35 in E. half; , from which, A cedar tree 8 ins. diam. brs. S. 12° E. 178 lks. dist., marked $\frac{1}{4}$ S 35 B T. A cedar tree 12 ins. diam. brs. S. 66° W. 133 lks. dist., marked $\frac{1}{4}$ S 34 B T.
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 23 N R 9 W, in N. half, S 27 in NW., S 26 in NE., S 35 in SE., and S 34 in SW. quadrants, from which, a cedar tree 10 ins. diam. brs. N. 61° 30' E. 81 lks. dist., marked T 23 N R 9 W S 26 B T. A cedar tree 12 ins. diam. brs. S. 59 $\frac{1}{2}$ ° E. 49 lks. dist., marked T 23 N R 9 W S 35 B T. A cedar tree 16 ins. diam. brs. S. 82° W. 75 lks. dist., marked T 23 N R 9 W S 34 B T. A cedar tree 12 ins. diam. brs. N. 59° W. 121 lks. dist., marked T 23 N R 9 W S 27 B T. Land, rolling. Soil, 3rd rate, gravelly. Cedar, few pinons, cacti. Fair grazing.
	S. 89° 59' E., on a random line, bet. secs. 26 & 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor. hereinbefore described
79.96	Intersect N. & S. line 2 lks. S. of cor. of secs. 25, 26, 35, & 36, whence I run, West, on a true line, bet. secs. 26 & 35. Over rolling land, asc. gently.
20.00	Enter cedar, brs. NE. & SW.
39.98	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 26 in N., and S 35 in S. half, from which, A cedar tree 4 ins. diam. brs. N. 13 $\frac{1}{2}$ ° W. 41 lks. dist., marked $\frac{1}{4}$ S 26 B T. A cedar tree 8 ins. diam. brs. S. 66 $\frac{1}{2}$ ° E. 159 lks. dist., marked $\frac{1}{4}$ S 35 B T.
79.96	To cor. of secs. 26, 27, 34 & 35. hereinbefore described Land, rolling. Soil, 3rd rate, gravelly. Cedar, sage brush, few cacti, pinon. Fair grass. At this cor., at noon, clouds obscure the sun, Impracticable to observe the latitude.

Subdivision of T. 23 N., R. 9 W.

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- Chains.
- N. 0° 1' W., bet. secs. 26 & 27.
Over rolling land, through dense cedar.
- 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 27 in W., and
S 26 in E. half, from which,
A cedar tree 18 ins. diam. brs. S. 24° W. 32 lks. dist., marked $\frac{1}{4}$ S 27 B T.
A pinon tree 4 ins. diam. brs. N. 88 $\frac{1}{2}$ ° E. 27 lks. dist., marked $\frac{1}{4}$ S 26 B T.
- 60.00 Leave cedar, brs. E. & 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 23 N R 9 W, in N. half,
S 22 in NW.,
S 23 in NE.,
S 26 in SE., and
S 27 in SW. quadrants;
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, heavy.
Cedar, pinon, few cacti, sage brush, fair grass.
-
- East, on a random line, bet. secs. 23 & 26.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Int. ~~Sec. 23~~ North-South line 7 lks. S. of cor. of secs. 23, 24, 25 & 26, ~~hereinafter described~~, whence I run, S. 89° 57' W., on a true line, bet. secs. 23 & 26.
Over gently rolling valley, asc. grad.
- 39.98 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 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.
- 79.96 To cor. of secs. 22, 23, 26 & 27. ~~hereinafter described~~
Land, rolling.
Soil, 3rd rate, gravelly, heavy.
Sparse cedar, sage brush. Good grass.
-
- N. 0° 1' W., bet. secs. 22 & 23.
Over gently rolling valley.
- 20.00 Enter sparse cedar, brs. E. & 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,
 $\frac{1}{4}$ S 22 in W., and
S 23 in E. half, from which,
A cedar tree 8 ins. diam. brs. N. 5° E. 40 lks. dist., marked $\frac{1}{4}$ S 23 B T.
A cedar tree 14 ins. diam. brs. S. 10° W. 256 lks. dist., marked $\frac{1}{4}$ S 22 B T.
- Asc. SE. slope of Sugar Loaf Butte, stony ground.
- 70.00 Top of E. slope of butte, apex is 12 chs. to W., 500 ft. above valley, desc. NE. slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 14 ins. in the ground, in mound of stone for cor. of secs. 14, 15, 22 & 23, marked on brass cap,
T 23 N R 9 W, in N. half,
S 15 in NW.,
S 14 in NE.,
S 23 in SE., and
S 22 in SW. quadrants, from which,
A cedar tree 20 ins. diam. brs. N. 16° E. 190 lks. dist., marked T 23 N R 9 W S 14 B T.
A cedar tree 20 ins. diam. brs. S. 64 $\frac{1}{2}$ ° E. 166 lks. dist., marked T 23 N R 9 W S 23 B T.

Chains.

A cedar tree 20 ins. diam. brs. S. $40\frac{1}{2}^{\circ}$ W. 150 lks. dist., marked T 23 N R 9 W S 22 B T.

A cedar tree 20 ins. diam. brs. N. $51\frac{1}{2}^{\circ}$ W. 54 lks. dist., marked T 23 N R 9 W S 15 B T.

Land, rolling, mts. Soil, 3rd rate, gravelly, stony. Cedar, pinon, cacti. Fair grass. Nov. 28, 1911.

Nov. 29, 1911. hereinbefore described

At 3h a.m., l.m.t., at the cor. of secs. 14, 15, 22 & 23, I set off $21^{\circ}19'$ S. on the decl. arc, and $35^{\circ}22\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run,

N. $89^{\circ}57'$ E., on a random line, bet. secs. 14 & 23.

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

80.00 Intersect N. & S. line 12 lks. N. of cor. of secs. 13, 14, 23 & 24, hereinbefore described, whence I run, N. $89^{\circ}58'$ W. on a true line, bet. secs. 14 & 23.

Over level plain, fine gramma grass.

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 14 in N., and S 23 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.

68.00 Leave valley, brs. NW. & SE., asc. stony NE. slope.

30.00 To cor. of secs. 14, 15, 22 & 23. hereinbefore described

Land, rolling, mts. Soil, 3rd rate, sandy, gravelly, stony. Sage brush, cedar, cacti. Fine grass in valley.

N. $0^{\circ}1'$ W., bet. secs. 14 & 15.

Over mts. land, desc. steep, stony NE. slope.

15.00 Foot of slope, brs. NW. & SE., enter grassy plain.

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 15 in W., and S 14 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.

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 23 N R 9 W, in N. half,
S 10 in NW.,
S 11 in NE.,
S 14 in SE., and
S 15 in SW. quadrants;

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, mts., rolling. Soil, 3rd rate, gravelly, stony. Few cedars, cacti. Good grass in valley.

S. $89^{\circ}53'$ E., on a random line, bet. secs. 11 & 14.

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

80.00 Intersect N. & S. line 5 lks. S. of cor. of secs. 11, 12, 13 & 14, hereinbefore described, whence I run, West, on a true line, bet. secs. 11 & 14.

Over level, grassy, open valley.

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 N., and S 14 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 W. of cor.

80.00 To cor. of secs. 10, 11, 14 & 15. hereinbefore described

Land, level. Soil, 3rd rate, gravelly, heavy. Fine grass. At this cor., at noon, I set off $21^{\circ}23'$ S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is $35^{\circ}23\frac{1}{2}'$ N.

Chains.

N. 0° 1' W., bet. secs. 10 & 11.
Over level valley.

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 10 in W., and S 11 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.

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 23 N R 9 W, in N. half,
S 3 in NW.,
S 2 in NE.,
S 11 in SE., and
S 10 in SW. quadrants, from which,
A cedar tree 10 ins. diam. brs. N. 84° E. 264 lks. dist., marked T 23 N R 9 W S 2 B T.
A cedar tree 16 ins. diam. brs. N. 15° W. 263 lks. dist., marked T 23 N R 9 W S 3 B T.
No other trees available.
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, heavy.
Few cedar trees, cacti, sage brush; good grass.

East, on a random line, bet. secs. 2 & 11.

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

79.96 Intersect N. & S. line 3 lks. N. of cor. of secs. 1, 2, 11 & 12, ~~hereinbefore described~~, whence I run, N. 89° 59' W., on a true line, bet. secs. 2 & 11.
Over gently rolling land.

39.98 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 2 in N., and S 11 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 W. of cor.

79.96 To cor. of secs. 2, 3, 10 & 11 ~~hereinbefore described~~
Land, rolling.
Soil, 3rd rate, gravelly, stiff, clayey in places.
Few cedar trees, cacti, sage brush; fair grass.

N. 0° 5' E., on a random line, bet. secs. 2 & 3.

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

79.94 Intersect N. bdy. of Tp. 3 lks. W. of cor. of secs. 2, 3, 34 & 35, which is an iron post, 3 ins. in dia. 1 ft. above ground, marked, and witnessed as described by the Surveyor-General., whence I run, S. 0° 6' W., on a true line, bet. secs. 2 & 3.
Over gently rolling land, desc. grad., through dense cedar.

39.00 Leave dense cedar, brs. E. & W.,

39.94 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 3 in W., and S 2 in E. half, from which,
A cedar tree 8 ins. diam. brs. N. 38° E. 29 lks. dist., marked $\frac{1}{4}$ S 2 B T.
A pinon tree 10 ins. diam. brs. S. 22° W. 111 lks. dist., marked $\frac{1}{4}$ S 3 B T.

79.94 To cor. of secs. 2, 3, 10 & 11. ~~hereinbefore described~~
Land, rolling. Soil, 3rd rate, gravelly, heavy, dry.
Cedar, some pinon, cacti. Fair grass.

Nov. 29, 1911.

Chains.

Dec. 1, 1911.

At 8h a.m., l.m.t., at the cor. of secs. 3, 4, 33 & 34, ^{in Book 2}
 on the S. bdy. of the Tp., recently established & described by me
 I set off $35^{\circ}20'$ N. on the lat. arc, and $21^{\circ}38\frac{1}{2}'$ S. on
 the decl. arc, and determine a meridian with the solar.
 Thence I run,

N. $0^{\circ}2'$ W., bet. secs. 33 & 34.Over heavily rolling land, along W. slope of stony
wooded hill, through dense cedar and pinon.

14.00 Top of spur, brs. NW. & SE., desc.

32.00 Foot of slope, brs. E. & W., desc. gently.

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 33 in W., and

S 34 in E. half, from which,

A cedar tree 36 ins. diam. brs. S. $40\frac{1}{2}^{\circ}$ E. 214 lks. dist.,
marked $\frac{1}{4}$ S 34 B T.A cedar tree 6 ins. diam. brs. N. $41\frac{1}{4}^{\circ}$ W. 239 lks. dist.,
marked $\frac{1}{4}$ S 33 B T.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. 23 N R 9 W, in N. half,

S 28 in NW.,

S 27 in NE.,

S 34 in SE., and

S 33 in SW. quadrants, from which,

A cedar tree 14 ins. diam. brs. N. 50° E. 130 lks. dist.,
marked T 23 N R 9 W S 27 B T.A cedar tree 4 ins. diam. brs. S. 35° E. 202 lks. dist.,
marked T 23 N R 9 W S 34 B T.A cedar tree 24 ins. diam. brs. S. 18° W. 35 lks. dist.,
marked T 23 N R 9 W S 33 B T.A cedar tree 12 ins. diam. brs. N. 78° W. 29 lks. dist.,
marked T 23 N R 9 W S 28 B T.

Land, rolling, hilly.,

Soil, 3rd rate, gravelly, dry.

Cedar, pinon, fair grass.

S. $89^{\circ}69'$ E. ~~on a random line~~,
on a random line, bet. secs. 27 & 34.40.00 Set temp. $\frac{1}{4}$ sec. cor.80.10 Intersect N. & S. line 7 lks. S. of cor. of
secs. 26, 27, 34 & 35, ~~hereinbefore described~~, whence I run,S. $89^{\circ}53'$ W., on a true line, bet. secs. 27 & 34.

Over rolling land, desc. gently, through dense cedar.

20.00 Leave dense cedar, brs. N. & S.

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, $\frac{1}{4}$ S 27 in N., and

S 34 in S. half,

dig pits $18 \times 18 \times 12$ ins. E. & W. of cor, 3 ft. dist., and
raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Asc. grad. from cor.

54.00 Enter dense cedar, brs. N. & S.

80.10 To cor. of secs. 27, 28, 33 & 34, ~~hereinbefore described~~

Land, rolling.

Soil, 2nd & 3rd rate, gravelly, dry.

Cedar, pinon. Good grass.

At this cor. at noon, clouds obscure the sun.
impracticable to observe the latitude.

Subdivision of T. 23 N., R. 9 W.

Chains.	
	N. 0° 2' W., bet. secs. 27 & 28.
40.00	Over gently rolling land, through scattering cedar.
	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,
	1/4 S 28 in W., and
	S 27 in E. half;
55.00	dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
80.00	raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
	Enter, dense cedar, brs. SE. & NW., desc. grad. to cor.
	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 23 N R 9 W, in N. half,
	S 21 in NW.,
	S 22 in NE.,
	S 27 in SE., and
	S 28 in SW. quadrants, from which,
	A pinon tree 10 ins. diam. brs. N. 40° E. 49 lks. dist.,
	marked T 23 N R 9 W S 22 B T.
	A pinon tree 12 ins. diam. brs. S. 89 1/2° E. 76 lks. dist.,
	marked T 23 N R 9 W S 27 B T.
	A cedar tree 6 ins. diam. brs. S. 29 1/2° W. 67 lks. dist.,
	marked T 23 N R 9 W S 28 B T.
	A pinon tree 10 ins. diam. brs. N. 39° W. 106 lks. dist.,
	marked T 23 N R 9 W S 21 B T.
	Land, gently rolling.
	Soil, 3rd rate, gravelly, loose, dry.
	Cedar, pinon, few cacti. Good native grass in places.
40.00	N. 89° 58' E., on a random line bet. secs. 22 & 27.
80.18	Set temp. 1/4 sec. cor.
	Intersect N. & S. line 16 lks. N. of cor. of secs. 22, 23, 26 & 27 hereinbefore described , whence I run,
	N. 89° 55' W., on a true line, bet. secs. 22 & 27.
	Over gently undulating valley, asc. slightly.
20.00	Enter cedar, brs. N. & S., thence over rolling land.
40.09	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,
	1/4 S 22 in N., and
	S 27 in S. half, from which,
	A pinon tree 12 ins. diam. brs. N. 44 3/4° W. 88 lks. dist.,
	marked 1/4 S 22 B T.
	A pinon tree 11 ins. diam. brs. S. 45 1/2° W. 77 lks. dist.,
	marked 1/4 S 27 B T.
80.18	To cor. of secs. 21, 22, 27 & 28 hereinbefore described
	Land rolling.
	Soil, 3rd rate, gravelly, dry, loose.
	Cedar, pinon, scrub oak. Fair grass.
40.00	N. 0° 2' W., bet. secs. 21 & 22.
	Over gently rolling land.
	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,
	1/4 S 21 in W., and
	S 22 in E. half, from which,
	A cedar tree 20 ins. diam. brs. N. 20° E. 14 lks. dist.,
	marked 1/4 S 22 B T.
	A cedar tree 14 ins. diam. brs. N. 56° W. 52 lks. dist.,
	marked 1/4 S 21 B T.
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 23 N R 9 W, in N. half,
	S 16 in NW.,
	S 15 in NE.,
	S 22 in SE., and
	S 21 in SW. quadrants; from which

Chains

- A cedar tree 20 ins. diam. brs. N.28°E. 192 lks.dist., marked T 23 N R 9 W S 15 B T.
- A cedar tree 24 ins. diam. brs. S.19°E. 122 lks.dist., marked T 23 N R 9 W S 22 B T.
- A cedar tree 20 ins. diam. brs. S.41°W. 33 lks.dist., marked T 23 N R 9 W S 21 B T.
- A cedar tree 30 ins. diam. brs. N.40°W. 99 lks.dist., marked T 23 N R 9 W S 16 B T.

Land, rolling.
 Soil, 3rd rate, gravelly, loose, dry.
 Cedar, pinon, scrub oak, cacti. Good native grass.
 Dec. 1, 1911.

Dec. 2, 1911. hereinbefore described
 At 8h a.m., l.m.t., at the cor. of secs. 15, 16, 21 & 22,
 I set off 35°22' N. on the lat. arc, and 21°48' S. on
 the decl. arc, and determine a meridian with the solar.

- Thence I run,
 S. 89°55' E., on a random line, bet. secs. 15 & 22.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 - 80.10 Intersect N. & S. line 12 lks. S. of cor. of secs. 14, 15, 22 & 23, ~~hereinbefore described~~, whence I run,
 West, on a true line, bet. secs. 15 & 22.
 Over mts. land, asc. steep NE. slope, very stony land,
 Through scattering cedar.
 - 8.00 Top of N. slope; apex of Sugar Loaf Butte, brs. S. 10 chs. dist., desc. NW. slope of same.
 - 25.00 Foot of main slope, brs. NE. & SW., thence over rolling land.
 - 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,
 $\frac{1}{4}$ S 15 in N., ~~and~~
 S 22 in S. half, from which,
 A cedar tree 18 ins. diam. brs. S.25°E. 118 lks. dist., marked $\frac{1}{4}$ S 22 B T.
 A cedar tree 18 ins. diam. brs. N.65°E. 75 lks. dist., marked $\frac{1}{4}$ S 15 B T.
 - 80.10 To cor. of secs. 15, 16, 21 & 22. ~~hereinbefore described~~
 Land, rolling, mts.
 Soil, 3rd rate, stony, gravelly.
 Cedar, pinon, fair grass.

N. 0°2' ~~cap.~~, bet. secs. 15 & 16.

- Over rolling land, through dense cedar.
- 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 16 in W., and
 S 15 in E. half; from which
 A cedar tree 20 ins. diam. brs. N.10°E. 71 lks. dist., marked $\frac{1}{4}$ S 15 B T.
 A cedar tree 20 ins. diam. brs. S.57°W. 203 lks. dist., marked $\frac{1}{4}$ S 16 B T.
 - 60.00 Leave cedar, brs. NW. & SE., thence over grassy plain.
 - 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 23 N R 9 W, in N. half,
 S 9 in NW.,
 S 10 in NE.,
 S 15 in SE., and
 S 16 in SW. quadrants;
 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.
 Cedar, pinon, good grass.

Chains.

East, on a random line, bet. secs. 10 & 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect N. & S. line 3 lks. S. of cor. of
 secs. 10, 11, 14, & 15, ~~hereinbefore described~~, whence I run,
 S. $89^{\circ}59'$ W., on a true line, bet. secs. 10 & 15.
 Over gently undulating plain.
 40.01 Set an iron post 3 ft. long 1 in. in diam. 2 6 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 80.02 To cor. of secs. 9, 10, 15 & 16. ~~hereinbefore described~~
 Land, rolling.
 Soil, 3rd rate, gravelly, loose, dry.
 Fair grass.
 At this cor., at noon, I set off $21^{\circ}52'$ S. on the
 decl. arc, and observe the sun on the meridian.
 The resulting lat. is $35^{\circ}23\frac{1}{2}'$ N.

N. $0^{\circ}2'$ W., bet. secs. 9 & 10.
 Over gently rolling, grassy plain.
 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 9 in W., and
 S 10 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.
 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 23 N R 9 W, in N. half,
 S 4 in NW.,
 S 3 in NE.,
 S 10 in SE., and
 S 9 in SW. quadrants;
 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 gently.
 Soil, 3rd rate, gravelly.
 No timber or undergrowth. Good grass.

N. $89^{\circ}59'$ E., on a random line, bet. secs. 3 & 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. & S. line 5 lks. N. of cor. of
 secs. 2, 3, 10 & 11, ~~hereinbefore described~~, whence I run,
 N. $89^{\circ}59'$ W., on a true line, bet. secs. 3 & 10.
 Over gently rolling land.
 8.00 Enter scattering cedar, brs. NNE. & SSW.
 39.98 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 3 in N., and
 S 10 in S. half; from which,
 A cedar tree 8 ins. diam. brs. N. $15\frac{1}{2}^{\circ}$ E. 75 lks. dist.,
 marked $\frac{1}{4}$ S 3 B T.
 A cedar tree 10 ins. diam. brs. S. $3\frac{1}{2}^{\circ}$ E. 297 lks. dist.,
 marked $\frac{1}{4}$ S 10 B T.
 44.00 Leave cedar, brs. NW. & SE.
 79.96 To cor. of secs. 3, 4, 9 & 10. ~~hereinbefore described~~
 Land, rolling.
 Soil, 3rd rate, gravelly.
 Cedar, sage brush, few cacti. Good native grass.

Chains.

N. 0° 7' E., on a random line, bet. secs. 3 & 4.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. by. of Tp. 7 lks. W. of cor. of
 secs. 3, 4, 33 & 34, which is an iron post, 3 ins. in
 diam., 1 foot above ground, with brass cap, marked and
 witnessed as described by the Surveyor-General, whence
 I run,
 S. 0° 10' W., on a true line, bet. secs. 3 & 4.
 Over gently rolling land, desc. grad., through
 scattering cedar.
 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,
 $\frac{1}{4}$ S $\frac{1}{4}$ in W., and
 S 3 in E. half; from which,
 A cedar tree 10 ins. diam. brs. N. 20° E. 129 lks. dist.,
 marked $\frac{1}{4}$ S 3 B T.
 A cedar tree 5 ins. diam. brs. S. 15° W. 122 lks. dist.,
 marked $\frac{1}{4}$ S 4 B T.
 45.00 Leave cedar, brs. E. & W.
 79.90 To cor. of secs. 3, 4, 9 & 10. hereinbefore described
 Land, rolling.
 Soil, 3rd rate; gravelly, loose, dry.
 Cedar, sage brush, few cacti. Good native grass.
 Dec. 2, 1911.

bedrock exposed

Chains.

Dec. 4, 1911.

At 9h a.m., l.m.t., at the cor. of secs. 4, 5, 32 & 33, ^{in Book 2,} on the South Bdy. of the Tp., recently established & described by me

I set off 22° 07' S. on the decl. arc, and 35° 20' N. on the lat. arc, and determine a meridian with the solar: Thence I run,

N. 0° 3' W., bet. secs. 32 & 33.

Over mts. land, desc. ENE. slope of hill, through dense cedar and pinon.

40.00 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, 1/4 S 32 in W., and

S 33 in E. half, from which,

A cedar tree 16 ins. diam. brs. S. 85 1/2° W. 74 lks. dist., marked 1/4 S 32 B T.

A cedar tree 18 ins. diam. brs. S. 62 1/2° E. 169 lks. dist., marked 1/4 S 33 B T.

Thence along E. slope of hill.

70.00 Leave cedar, brs. NW. & SE.

75.00 Draw, 8 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. 28, 29, 32 & 33, marked on brass cap,

T 23 N R 9 W, in N. half,

S 29 in NW.,

S 28 in NE.,

S 33 in SE., and

S 32 in SW. quadrants, from which,

A cedar tree 12 ins. diam. brs. N. 20° E. 130 lks. dist., marked T 23 N R 9 W S 28 B T.

A cedar tree 4 ins. diam. brs. S. 18 1/2° E. 206 lks. dist., marked T 23 N R 9 W S 33 B T.

A cedar tree 16 ins. diam. brs. S. 81° W. 185 lks. dist., marked T 23 N R 9 W S 32 B T.

No other bearings available.

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

Land, mts., rolling.

Soil, 3rd rate, stony, gravelly.

Cedar, pinon, fair grass in places.

S. 89° 59' E., on a random line, bet. secs. 28 & 33.

40.00 Set temp. 1/4 sec. cor. of secs. 28 & 33.

80.00 Intersect N. & S. line 3 lks. S. ^{hereinbefore described} of the cor. of secs. 27, 28, 33 & 34, ^{whence I run,}

West, on a true line, bet. secs. 28 & 33.

Over gently rolling land, through dense cedar.

26.00 Leave cedar, brs. NW. & SE.

40.00 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,

1/4 S 28 in N., and

S 33 in S. half,

dig pits 12x12x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

68.00 Draw 5 chs. wide, course SW. Enter cedar, brs. NW. & SE. Asc. grad.

74.00 Top of ridge, brs. WNW. & ESE., desc. . .

80.00 To cor. of secs. 28, 29, 32 & 33. ^{hereinbefore described}

Land, rolling, mts.,

Soil, 3rd rate, gravelly.

Cedar, few pinons. Good native grass.

At this cor., at noon, I set off 22° 9 1/2' S. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is 35° 21' N.

Chains.

N. 0° 3' W., bet. secs. 28 & 29.
 In-draw, course WNW.
 4.00 Asc. grad. through dense cedar, brs. WNW. & ESE.
 8.00 Ridge, brs. NW. & SE., thence desc. gently.
 36.00 Leave cedar, brs. E. & 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, $\frac{1}{4}$ S 29 in W., and S 28 in E. half, raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 44.00 Draw, 2 chs. wide, course WNW., asc. grad.
 46.00 Enter dense cedar, brs. NW. & SE. Thence over rolling land.
 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 23 N R 9 W, in N. half,
 S 20 in NW.,
 S 21 in NE.,
 S 28 in SE., and
 S 29 in SW. quadrants,
 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., from which,
 A cedar tree 6 ins. diam. brs. S. $79\frac{3}{4}$ ° W. 160 lks. dist., marked T 23 N R 9 W S 29 B T.
 A cedar tree 12 ins. diam. brs. N. $50\frac{1}{4}$ ° W. 89 lks. dist., marked T 23 N R 9 W S 20 B T.
 No other trees in limits.
 Land, rolling, hilly.
 Soil, 3rd rate, stony, gravelly, dry.
 Cedar, some pinon, few cacti. Good native grass.

East, on a random line, bet. secs. 21 & 28.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. & S. line 5 lks. S. of cor. of secs. 21, 22, 27 & 28, ~~hereinbefore described~~, whence I run, S. $39^{\circ}58'$ W., on a true line, bet. secs. 21 & 28. Over rolling land, through dense cedar.
 16.00 Leave cedar, brs. NW. & SE. Asc. grad.
 39.97 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 21 in N., and S 28 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.
 46.00 Top of ridge, brs. NNE. & SSW. desc.
 56.00 Ascend.
 66.00 Top of same ridge as above, brs. NNW. & SSE., turns E. and N. at 10 chs. to S., horseshoe snape., desc.
 79.94 To cor. of secs. 20, 21, 28 & 29. ~~hereinbefore described~~
 Land, rolling, hilly.
 Soil, 3rd rate, gravelly, loose, dry.
 No timber.
 Cedar, some pinon. Fair grass.

Chains.

- N. $0^{\circ} 3'$ W., bet. secs. 20 & 21.
 Over gently rolling land, through scattering cedar.
- 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 20 in W., and
 S 21 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.
 No trees in limits.
- 50.00 Enter dense cedar, brs. NW. & SE.
- 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 23 N R 9 W, in N. half,
 S 17 in NW.,
 S 16 in NE.,
 S 21 in SE., and
 S 20 in SW. quadrants; from which,
 A cedar tree 4 ins. diam. brs. N. $29\frac{1}{2}^{\circ}$ E. 119 lks. dist., marked T 23 N R 9 W S 16 B T.
 A cedar tree 8 ins. diam. brs. S. $67\frac{1}{4}^{\circ}$ E. 21 lks. dist., marked T 23 N R 9 W S 21 B T.
 A cedar tree 18 ins. diam. brs. S. $45\frac{1}{2}^{\circ}$ W. 240 lks. dist., marked T 23 N R 9 W S 20 B T.
 A cedar tree 24 ins. diam. brs. N. 22° W. 56 lks. dist., marked T 23 N R 9 W S 17 B T.
- Land, rolling.
 Soil, 3rd rate, gravelly, loose, dry.
 Scattering cedar, few pinon. Fair grass.
 Dec. 4, 1911.

Dec. 5, 1911.

hereinbefore described

At 8h a.m., l.m.t., at the cor. of secs. 16, 17, 20 & 21,
 I set off $22^{\circ} 13\frac{1}{2}'$ S. on the decl. arc, and $35^{\circ} 22\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar.

Thence, I run,

- N. $89^{\circ} 58'$ E., on a random line, bet. secs. 16 & 21.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. & S. line 5 lks. N. of cor. of secs. 15, 16, 21 & 22, ~~hereinbefore described~~, whence I run, West, on a true line, bet. secs. 16 & 21.
 Over rolling land, asc. through dense cedar and pinon.
- 35.00 Top of ridge, brs. N. & S., desc. W. slope.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 16 in N., and
 S 21 in S. half; from which,
 A cedar tree 30 ins. diam. brs. N. 16° W., 25 lks. dist., marked $\frac{1}{4}$ S 16 B T.
 A cedar tree 24 ins. diam. brs. S. 38° W. 54 lks. dist., marked $\frac{1}{4}$ S 21 B T.
- 56.00 Foot of slope, brs. NNW. & SSE., asc. grad.
- 61.00 Top of rise, round hill 3 ens. to N., desc.
- 80.00 To cor. of secs. 16, 17, 20 & 21 ~~hereinbefore described~~
 Land, mts., rolling.
 Soil, 3rd rate, stony, gravelly.
 Cedar, pinon, fair grass.
 The south half of sec. 16 consists of wooded hills.

Chains.	
	N. 0° 3' W., bet. secs. 16 & 17. Over heavily rolling land, desc. WNW. slope. Few cedars.
35.00	Foot of main slope, brs. NNE. & SSW., asc. 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, $\frac{1}{4}$ S 17 in W., and $\frac{1}{4}$ S 16 in E. half; from which, A cedar tree 10 ins. diam. brs. N. 49 $\frac{1}{2}$ ° E. 245 lks. dist., marked $\frac{1}{4}$ S 16 B T. A cedar tree 6 ins. diam. brs. N. 44 $\frac{1}{2}$ ° W. 53 lks. dist., marked $\frac{1}{4}$ S 17 B T.
50.00	Top of rise, ridge is 5 chs. to W., desc. gently.
75.00	Foot of slope, asc. grad.
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 23 N R 9 W, in N. half, S 8 in NW., S 9 in NE., S 16 in SE., and S 17 in SW. quadrants; from which, A cedar tree 40 ins. diam. brs. N. 82 $\frac{1}{4}$ ° E. 166 lks. dist., marked T 23 N R 9 W S 9 B T. A cedar tree 20 ins. diam. brs. S. 26 $\frac{1}{4}$ ° E. 202 lks. dist., marked T 23 N R 9 W S 16 B T. A cedar tree 24 ins. diam. brs. S. 19 $\frac{1}{2}$ ° W. 240 lks. dist., marked T 23 N R 9 W S 17 B T. A cedar tree 30 ins. diam. brs. N. 85° W. 60 lks. dist., marked T 23 N R 9 W S 8 B T. Land, rolling, mts., hilly. Soil, 3rd rate, gravelly, dry. Cedar, pinon. Fair grass.
	East, on a random line, bet. secs. 9 & 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect cor. of secs. 9, 10, 15 & 16, hereinbefore described, whence I run, West, on a true line, bet. secs. 9 & 16. Over gently rolling land, asc. grad.
12.00	Enter dense cedar, brs. N. & S., some pinon.
18.00	Top of rise, brs. N. & S., desc. gently.
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, $\frac{1}{4}$ S 9 in N., and $\frac{1}{4}$ S 16 in S. half; from which, A pinon tree 12 ins. diam. brs. N. 3° W. 20 lks. dist., marked $\frac{1}{4}$ S 9 B T. A cedar tree 20 ins. diam. brs. S. 47° E. 35 lks. dist., marked $\frac{1}{4}$ S 16 B T.
65.00	Foot of slope, asc. grad.
80.04	To cor. of secs. 8, 9, 16 & 17. hereinbefore described Land, rolling, hilly. Soil, 3rd rate, gravelly, loose, dry. Cedar, pinon. Fair grass. At this cor., at noon , I set off 22° 17 $\frac{1}{2}$ ' S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 35° 23 $\frac{1}{2}$ ' N.

Chains.

N. 0° 3' W., bet. secs. 8 & 9.
 Over gently rolling land, desc. grad., few cedars.
 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 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.
 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 23 N R 9 W, in N. half,
 S 5 in NW.,
 S 4 in NE.,
 S 9 in SE., and
 S 8 in SW. quadrants; from which,
 A cedar tree 20 ins. diam. brs. N. 54 $\frac{1}{4}$ ° E. 323 lks. dist.,
 marked T 23 N R 9 W S 4 B T.
 A cedar tree 20 ins. diam, brs. S. 64° E. 169 lks. dist.,
 marked T 23 N R 9 W S 9 B T.
 A cedar tree 20 ins. diam. brs. S. 40° W. 157 lks. dist.,
 marked T 23 N R 9 W S 8 B T.
 A cedar tree 10 ins. diam. brs. N. 65° W. 320 lks. dist.,
 marked T 23 N R 9 W S 5 B T.
 Land, rolling. Soil, 3rd rate, gravelly, loose, dry.
 Cedar, few pinon. Good native grass.

East, on a random line, bet. secs. 4 & 9.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.08 Intersect cor. of secs. 3, 4, 9 & 10, ~~hereinbefore described~~,
 West, on a true line, bet. secs. 4 & 9. whence I run,
 Over rolling land, few cedars.
 20.00 Asc. grad.
 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,
 $\frac{1}{4}$ 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.
 60.00 Enter scattering cedar, brs. N. & S.
 80.08 To cor. of secs. 4, 5, 8 & 9. ~~hereinbefore described~~.
 Land, rolling.
 Soil, 3rd rate, gravelly.
 Few cedars, pinons, cacti. Good native grass.

N. 0° 11' E., on a random line, bet. secs. 4 & 5.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.87 Intersect N. bdy. of Tp. 3 lks. W. of cor. of
 secs. 4, 5, 32 & 33, which is an iron post 3 ins. in diam.,
 1 ft. above ground, with brass cap, marked and
 witnessed as described by the Surveyor-General;
 whence I run,
 S. 0° 12' W., on a true line, bet. secs. 4 & 5.
 Over rolling land, through scattering cedar.
 39.87 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 W., and
 S 4 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.
 No trees in limits.
 79.87 To cor. of secs. 4, 5, 8 & 9. ~~hereinbefore described~~
 Land, rolling.
 Soil, 3rd rate, sandy, gravelly, loose, dry.
 Cedar, few pinons. Fair grass.

Dec. 5, 1911.

Chains.

Dec. 6, 1912.

At 8h a.m., l.m.t., at the cor. of secs. 5, 6, 31 & 32, on the S. bdy. of the Tp., recently established & described by me in Book 2, I set off $22^{\circ} 21\frac{1}{2}'$ S. on the decl. arc, and $35^{\circ} 20'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run,

N. $0^{\circ} 3'$ W., bet. secs. 31 & 32.

Over level valley.

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 31 in W., and S 32 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.

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 23 N R 9 W, in N. half,

S 30 in NW.,

S 29 in NE.,

S 32 in SE., and

S 31 in SW. quadrants,

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.

No bearings available.

Land, level, gently undulating.

Soil, 3rd rate, sandy, gravelly.

Good native grass, few cacti.

~~S. 89° 57' E.~~

Run, on a random line, bet. secs. 29 & 32.

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

79.98 Intersect N. & S. line 5 lks. N. of cor. of secs. 28, 29, 32 & 33, ~~hereinbefore described~~, whence I run, N. $89^{\circ} 57'$ W., on a true line, bet. secs. 29 & 32.

Over rolling land, desc. through grassy draw, WSW.

39.86 Road, brs. N. & S., in valley.

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, $\frac{1}{4}$ S 29 in N., and

S 32 in E. half; from which,

A cedar, 10 ins. diam. brs. N. $28\frac{1}{2}^{\circ}$ W. 50 lks. dist., marked $\frac{1}{4}$ S 29 B T.

No other trees available.

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 W. of cor.

60.00 Enter scattering cedar brs. NW. & SE.

75.00 Leave cedar, brs. NW. & SE.

79.98 To cor. of secs. 29, 30, 31 & 32 ~~hereinbefore described~~

Land, rolling.

Soil, 3rd rate, gravelly.

Few cedar trees. Good native grass.

~~bedrock available.~~

Chains N. 89° 59' W.
 On a random line, bet. secs. 30 & 31.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.90 Intersect West bdy. ^{of 30 lks. N. of cor. of secs. 25, 30, 31 & 36,} ^{recently established & described by me, whence I run,} East, on a true line, bet. secs. 30 & 31.
 Over level valley, desc. gently, fine gramma grass.
 38.90 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,
 $\frac{1}{4}$ S 30 in N., and
 S 31 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.
 78.90 To cor. of secs. 29, 30, 31 & 32, hereinbefore described.
 Land, level, gently undulating.
 Soil, 2nd & 3rd rate, gravelly, sandy, loose.
 Few lone cedars, Fine gramma grass.

N. 0° 3' W., bet. secs. 29 & 30.
 Over rolling land.
 6.00 Enter cedar, brs. NW. & SE. asc. 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,
 $\frac{1}{4}$ S 30 in W., and
 S 29 in E. half; from which,
 A cedar tree 10 ins. diam. brs. N. 65 $\frac{3}{4}$ ° E. 87 lks. dist., marked $\frac{1}{4}$ S 29 B T.
 A cedar tree 6 ins. diam. brs. N. 1° 50' W. 100 lks. dist., marked $\frac{1}{4}$ S 30 B T.
 56.00 Leave cedar, brs. W. & SE.,
 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 23 N R 9 W, in N. half,
 S 19 in NW.,
 S 20 in NE.,
 S 29 in SE., and
 S 30 in SW. quadrants;
 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.
 Few cedars. Good native gramma grass.

S. 89° 57' E., on a random line bet. secs. 20 & 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. & S. line 2 lks. S. of cor. of secs. 20, 21, 28 & 29, hereinbefore described, whence I run, N. 89° 58' W., on a true line, bet. secs. 20 & 29.
 Over gently rolling land, fine grass.
 39.98 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 20 in N., and
 S 29 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.
 43.60 Road, brs. N. & S.
 79.96 To cor. of secs. 19, 20, 29 & 30. hereinbefore described
 Land, rolling.
 Soil, 3rd rate, gravelly.
 Few scattering cedars. Good gramma grass.
 At this cor., at noon, I set off 22° 25' S. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is 35° 22' N.

Chains.	West, on a random line, bet. secs. 19 & 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.85	Intersect West bdy. of Tp. 5 lks. N. of cor. of secs. 19, 24, 25 & 30, recently established & described by me ^{in Book 2} whence I run, N. $89^{\circ}58'$ E., on a true line, bet. secs. 19 & 30. Over level open valley.
38.85	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 19 in N., and S 30 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.
78.85	To cor. of secs. 19, 20, 29 & 30, hereinbefore described Land, level. Soil, 2nd & 3rd rate, sandy, gravelly, dry. Good gramma grass.
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	N. $0^{\circ}3'$ W., bet. secs. 19 & 20. Over level, open valley.
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 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.
44.00	Enter scattering cedar, brs. NW. & SE., asc. grad.
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 23 N R 9 W, in N. half, S 18 in NW., S 17 in NE., S 20 in SE., and S 19 in SW. quadrants; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor., from which, A cedar tree 6 ins. diam. brs. S. $48\frac{1}{2}^{\circ}$ E. 40 lks. dist., marked T 23 N R 9 W S 20 B T. A cedar tree 12 ins. diam. brs. S. $55\frac{1}{4}^{\circ}$ W. 296 lks. dist., marked T 23 N R 9 W S 19 B T. A cedar tree 10 ins. diam. brs. N. 55° W. 313 lks. dist., marked T 23 N R 9 W S 18 B T. Land, rolling, level. Soil, 3rd rate, gravelly. Cedar, few cacti. Fine gramma grass in valley.
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	S. $89^{\circ}58'$ E., on a random line, bet. secs. 17 & 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. & S. line 7 lks. S. of cor. of secs. 16, 17, 20 & 21, hereinbefore described , whence I run, S. $89^{\circ}59'$ W., on a true line, bet. secs. 17 & 20. Over rolling land, desc. grad., through cedars.
10.00	Leave cedar, brs. N. & S.,
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, $\frac{1}{4}$ S 17 in N., and S 20 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	Road, brs. N. & S.
58.00	Asc. grad.
60.00	Top of low mesa, thence on same.
79.98	To cor. of secs. 17, 18, 19 & 20, hereinbefore described Land, rolling. Soil, 3rd rate, gravelly, sandy. Few cedars. Good grass.

Chains.

- S. 89°58' W., on a random line, bet. secs. 18 & 19.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 78.72 Intersect W. bdy. of Tp. 9 lks. S. of cor. of
secs. 13, 18, 19 & 20, ^{in Book 2} ~~previously established~~ & described by me, whence I run,
S. 89°58' E., on a random line, bet. secs. 18 & 19.
Over level valley, good gramma grass.
- 7.00 Road, brs. NE. & SW.
- 38.72 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 18 in N., and
S 19 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.
- 44.00 Enter scattering cedar, brs. N. & S., asc. grad.
- 70.00 Asc. steeper.
- 75.00 Top of rise, brs. N. & S.
- 78.72 To cor. of secs. 17, 18, 19 & 20, ~~hereinbefore~~ described
Land, level, rolling.
Soil, 3rd rate, gravelly, sandy, loose, dry.
Few cedars. Good gramma grass.

Dec. 6, 1911.

Dec. 7, 1911 ~~at 8h a.m.~~ ^{hereinbefore described}

- At 8h a.m., l.m.t., at the cor. of secs. 17, 18, 19 & 20,
I set off $22^{\circ}28\frac{1}{2}'$ E. on the decl. arc, and $35^{\circ}22\frac{1}{2}'$ N.
on the lat. arc, and determine a meridian with the solar.
Thence I run,
N. $0^{\circ} 3'$ W., bet. secs. 17 & 18.
Over rolling land, desc. gently.
- 10.00 Leave scattering cedar, brs. E. & 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,
 $\frac{1}{4}$ 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.
- 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 23 N R 9 W, in N. half,
S 7 in NW.,
S 8 in NE.,
S 17 in SE., and
S 13 in SW. quadrants;
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, level.
Soil, 3rd rate, stony, gravelly, dry.
Cedar, few cacti. Good grass in valley.
~~hereinbefore described~~

Chains	N. 89°59' E., on a random line, bet. secs. 8 & 17.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. & S. line at cor. of secs. 8, 9, 16 & 17, hereinbefore described , whence I run, S. 89°59' W., on a true line, bet. secs. 8 & 17. Over heavily rolling land, asc. grad., through cedars.
10.00	Top of hill, brs. N. & S., desc. grad.
23.00	Foot of slope, brs. N. & S.
25.00	Asc. E. slope.
33.00	Top of hill, brs. N. & S., 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 8 in N. and S 17 in S. half; from which, A cedar tree 5 ins. diam. brs. N. 80 $\frac{1}{4}$ ° W. 60 lks. dist., marked $\frac{1}{4}$ S 8 B T. A cedar tree 6 ins. diam. brs. S. 8° E. 90 lks. dist., marked $\frac{1}{4}$ S 17 B T. From this cor. a small reservoir brs. S. 28° 20' W., about 35 chs. dist., now dry.
46.00	Leave cedar, and hilly land, enter open valley, brs. NW. & SE.
72.34	Road, brs. NW. & SE.
80.00	To cor. of secs. 7, 8, 17 & 18. hereinbefore described Land, hilly, rolling. Soil, 3rd rate, gravelly. Few cedars, good grass in valley.
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40.00	N. 89°58' W., on a random line, bet. secs. 7 & 18. Set temp. $\frac{1}{4}$ sec. cor.
78.60	Intersect W. bdy. of Tp. 5 lks. N. of cor. of secs. 7, 12, 13 & 18, recently established & described by me , ^{in Book 2} whence I run, East, on a true line, bet. secs. 7 & 18. Over mts. land, asc. through scattering cedar.
20.00	Top of hill, brs. N. & S., desc.
30.00	Foot, brs. SE. & NW., enter dense cedar.
38.60	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 7 in N., and S 18 in S. half, A cedar tree 10 ins. diam. brs. N. 46 $\frac{1}{2}$ ° E. 35 lks. dist., marked $\frac{1}{4}$ S 7 B T. A cedar tree 15 ins. diam. brs. S. 19 $\frac{1}{2}$ ° E. 79 lks. dist., marked $\frac{1}{4}$ S 18 B T.
	Asc. from cor.
48.00	Top of rise, brs. NNE. & SSW., desc.
60.00	Leave cedar, brs. NW. & SE.
68.68	Road, brs. N. & S. Small reservoir brs. S. 54° W., about 22 chs. dist.,
78.60	To cor. of secs. 7, 8, 17 & 18. hereinbefore described Land, mts., hilly, rolling. Soil, 3rd rate, gravelly. Cedar, few pinon, cacti. Good native grass. At this cor., at noon, I set off 22° 32' S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 35° 23 $\frac{1}{2}$ ' N.

Subdivision of T. 23 N., R. 9 W.

Chains.

N. 0° 3' W., bet. secs. 7 & 8.
 Over rolling land.
 18.00 Road, brs. NNE. & SSW.
 26.00 Enter cedars, brs. NE. & SW.
 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 7 in W., and
 $\frac{1}{4}$ S 8 in E. half; from which,
 A cedar tree 8 ins. diam. brs. S. 26° W. 63 lks. dist.,
 marked $\frac{1}{4}$ S 7 B T.
 A cedar tree 12 ins. diam. brs. S. 77° E. 74 lks. dist.,
 marked $\frac{1}{4}$ S 8 B T.
 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 23 N R 9 W, in N. half,
 S 6 in NW.,
 S 5 in NE.,
 S 8 in SE., and
 S 7 in SW. quadrants; from which,
 A cedar tree 20 ins. diam. brs. N. 60° E. 303 lks. dist.,
 marked T 23 N R 9 W S 5 B T.
 A cedar tree 10 ins. diam. brs. S. 52 $\frac{1}{2}$ ° E. 148 lks. dist.,
 marked T 23 N R 9 W S 8 B T.
 A cedar tree 4 ins. diam. brs. S. 44° W. 160 lks. dist.,
 marked T 23 N R 9 W S 7 B T.
 A cedar tree 10 ins. diam. brs. N. 15° W. 8 lks. dist.,
 marked T 23 N R 9 W S 6 B T.
 Land, rolling.
 Soil, 3rd rate, gravelly.
 Few cedars, pinon, cacti. Fair grass.

N. 89° 59' E., on a random line, bet. secs. 5 & 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. & S. line 2 $\frac{1}{2}$ lks. N. of cor. of
 secs. 4, 5, 6 & 9, ~~hereinbefore described~~, whence I run,
 West, on a true line, bet. secs. 5 & 8.
 Over rolling land, few cedar trees.
 39.95 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
 $\frac{1}{4}$ S 8 in S. half; from which,
 A cedar tree 20 ins. diam. brs. S. 32° W. 99 lks. dist.,
 marked $\frac{1}{4}$ S 8 B T.
 No other trees in limits.
 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.
 60.60 Road, brs. N. & S. enter very dense cedar.
 79.90 To cor. of secs. 5, 6, 7 & 8. ~~hereinbefore described~~.
 Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Cedar, some pinon. Fair grass.

Chains.

West, on a random line, bet. secs. 6 & 7.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.44 Intersect W. bdy. of Tp. 2 $\frac{1}{2}$ lks. S. of cor. of
 Secs. 1, 6, 7 & 12, ^{in Book 2} recently established & described by me whence I run,
 S. $39^{\circ}59'$ E., on a true line, bet. secs. 6 & 7.
 Over heavily rolling land, desc. grad. through cedars.
 12.00 Wash, 50 lks. wide, course ESE.
 38.44 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 6 in N., and
 S 7 in S. half; from which,
 A pinon tree 7 ins. diam. brs. N. $18\frac{1}{2}^{\circ}$ E. 20 lks. dist.,
 marked $\frac{1}{4}$ S 6 B T.
 A cedar tree 20 ins. diam. brs. S. 35° E. 70 lks. dist.,
 marked $\frac{1}{4}$ S 7 B T.
 78.44 To cor. of secs. 5, 6, 7 & 8. ~~hereinbefore~~ described
 Land, rolling.
 Soil, 3rd rate, gravelly.
 Cedar, pinon. Fair grass.

N. $0^{\circ}12'$ E., on a random line, bet. secs. 5 & 6.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.85 Intersect N. bdy. of Tp. 9 lks. E. of cor. of
 secs. 5, 6, 31 & 32, which is an iron post 3 ins. in diam.
 1 ft. above ground, with brass cap, marked and
 witnessed as described by the Surveyor-General;
 whence I run,
 S. $0^{\circ}8'$ W., on a true line, bet. secs. 5 & 6.
 Over rolling land, desc. grad, through scattering cedar.
 22.00 Road, brs. NNW. & SSE.
 39.85 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 6 in W., and
 S 5 in E. half; from which,
 A cedar tree 10 ins. diam. brs. N. 30° E. 64 lks. dist.,
 marked $\frac{1}{4}$ S 5 B T. ~~hereinbefore~~
 A cedar tree 14 ins. diam. brs. N. 71° W. 48 lks. dist.,
 marked $\frac{1}{4}$ S 6 B T.
 79.85 To cor. of secs. 5, 6, 7 & 8. ~~hereinbefore~~ described
 Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Cedar, few pinons. Fair grass.

Dec. 7, 1911.

--General Description.--

T. 23 N., R. 9 W., is in general fairly smooth rolling
 land, with a few hills covered with cedar here and
 there. Between these hills are smooth grassy valleys
 and draws with no definite channels, covered with a
 fine growth of native bunch and gramma grass.
 This land would produce well, if irrigated.
 There is no water in the Tp., and no indications of
 any available supply, except by drilling to great
 depth.

The soil is in general a dry, gravelly
 loam, with some sand, and clay in places.
 The outcropping ledges are limestone, with no indications
 of mineral.

Jesse B. Wright

Dec. 7, 1911.

U. S. Surveyor.

Subdivisions Group 15

for CERTIFICATE OF ASSISTANTS. to
JESSE B. WRIGHT, U.S. Surveyor
See Book "T"

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

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of the Meridian, in the State of

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

174
27

BOOK 2436 for

Subdivisions Group 15

FINAL OATH OF UNITED STATES SURVEYOR.

JESSE B. WRIGHT

See Book "T"

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, April 21, 1913

The foregoing field notes of the survey of _____

the subdivision lines of Township 23 North, Range 9 West

Gila & Salt River Base & Meridian

Arizona

executed by *Jesse B. Wright, U.S. Surveyor*
 under his special instructions ^{for Group 15} dated *August 28*, 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
 U. S. Surveyor General.

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.