

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of T. 19 S., R. 18 E.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Jesse B. Wright

and

William H. Elliott,

In the capacity of U. S. Surveyors, ^{supplemental} under instructions dated Jan. 13, 1913, issued by the United States Surveyor General to govern surveys included in Group No. 17, which were approved by the Commissioner of the General Land Office, February 4, 1913, pursuant to authority contained in the Act of Congress dated Aug. 24, 1912.

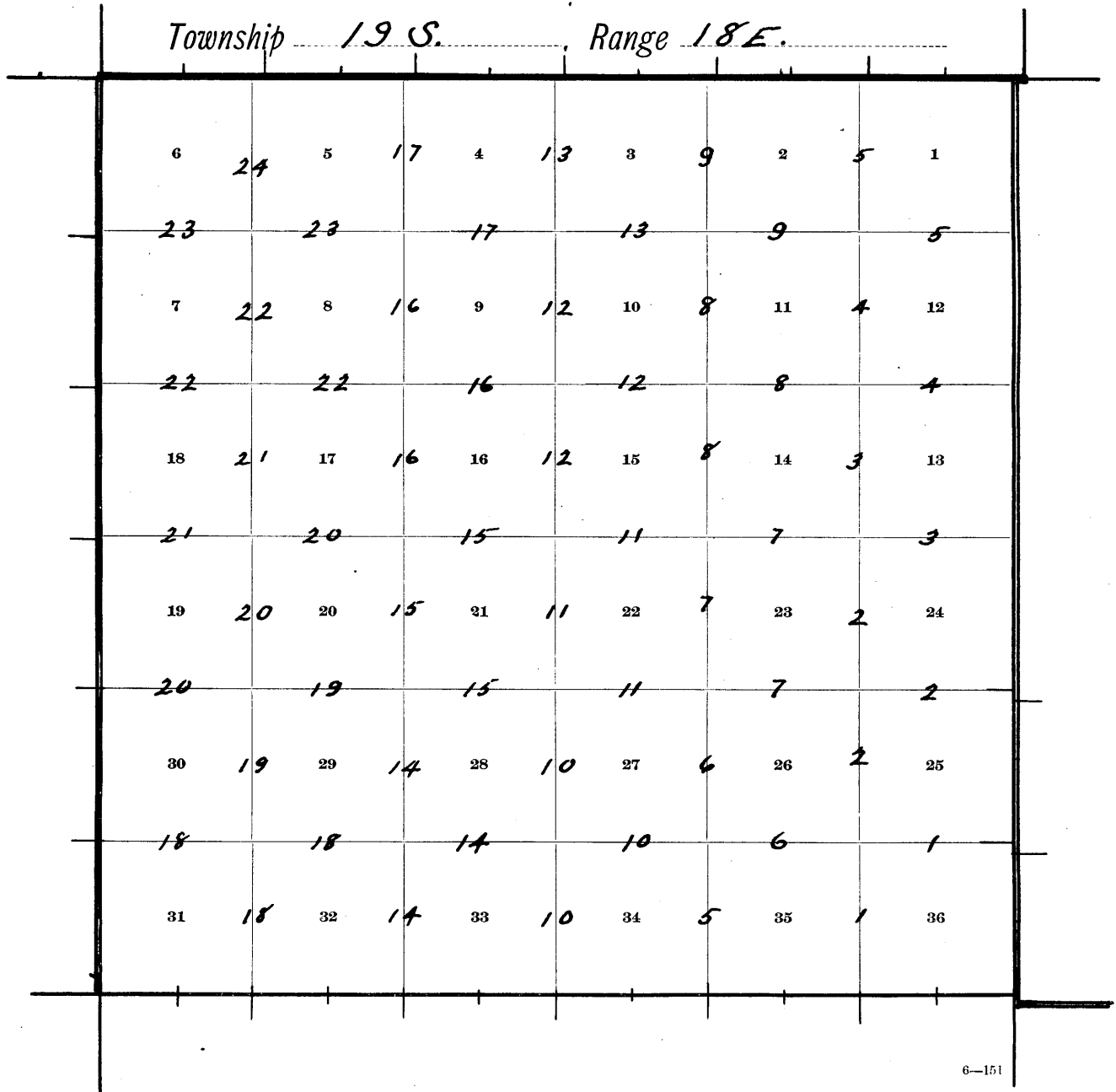
Survey commenced March 16, 1913, 191

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BOOK 2496

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BOOK
2496

Survey commenced March 16, 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 respectively, as heretofore described, in Book "A".

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

(Initials J.B.W. & W.H.E., indicate lines run by Wright and Elliott, respectively)

March 16, 1913. J.B.W.

At 8h.a.m., l.m.t., I set off $1^{\circ}47'S$ on the decl. arc: $31^{\circ}44'N$ on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 1, 2, 35 & 36, on the S. bdry. of the Tp. which is a limestone, $8x7x6$ ins. above ground, marked and witnessed as described by the Surveyor General.

Thence I run, as per instructions

N. $0^{\circ}1'W$., bet. secs. 35 & 36.

Asc. grad. over rolling land.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 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;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor,

60.40 Asc. steep.

80.00 High rocky ridge, NW. & SE.

Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 25, 26, 35 & 36, marked on brass cap,
 T 19 S R 18 E in N. half;
 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, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling.
 Soil, dry, gravelly, 2nd and 3rd rate.
 No timber. Fair grass.

East, on a random line bet. secs. 25 & 36.

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

79.96 Intersect E. bdry. of Tp. 12 lks. N. of cor. of secs. 25, 30, 31 & 36, recently established and described by William H. Elliott, & described in Book "G", whence I run, N. $89^{\circ}55'W$., on a true line bet. secs. 25 & 36.

Over heavily rolling land, desc.

3.50 Wash, 30 lks. wide, course S., asc.

7.00 Spur from N., desc.

9.00 Wash, 20 lks. wide, course S., asc.

18.00 Spur from N., desc.

23.00 Wash, 20 lks. wide, course S.

29.00 Road, NW. & SE.

33.00 Wash, 20 lks. wide, course SE.

39.98 Set an iron post, 3 ft. long, 1 in. in dia., 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;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

56.00 Asc. steep.

79.96 Cor. of secs. 25, 26, 35 & 36, hereinbefore described
 Land, heavily rolling.
 Soil, dry, gravelly, 3rd rate.
 No timber. Fair grass.

BOOK 2498

Chains

N.0° 1'W., bet. secs.25 and 26.
 Desc. steep.
 21.20 Wash, 20 lks. wide, course W., asc. grad.
 28.00 House of E. Sonita bears E. 5 chs. dist.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
 $\frac{1}{4}$ S 26 in W. and
 $\frac{1}{4}$ S 25 in E. half;
 raise amount of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 40.20 Low ridge, NE. & SW., desc. grad.
 50.50 Wash, 20 lks. wide, course WSW., asc. grad.
 62.80 Ridge, NW. & SE., desc. grad.
 74.30 Wash, 20 lks. wide, course W., asc. grad.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 23, 24, 25 & 26, marked on brass cap,
 T 19 S R 18 E in N. half;
 S 23 in NW.,
 S 24 in NE.,
 S 25 in SE. and
 S 26 in SW. quad.; raise a mound of stone,
 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, rolling.
 Soil, dry, gravelly, 2nd and 3rd rate.
 No timber. Fair grass.
 At this cor. at noon, I set off $1^{\circ} 43\frac{1}{2}'$ S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is $31^{\circ} 45\frac{1}{2}'$ N.

40.00 S. $89^{\circ} 55'$ E., on a random line bet. secs. 24 & 25.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect E. bdy. of Tp. 24 lks. S. of ^{W.C. to} cor. of secs. 19, 24, 25 & 30, recently established by W.H.E., & described in Book "G", whence I run, $N 89^{\circ} 59' W.$ on a true line bet. secs. 24 & 25, from true cor. pt. 0.15 S. of W.C.
 Asc. along S. slope of rocky ridge.
 15.00 Spur from N., desc. steep.
 22.00 Gulch, 20 lks. wide, course SSW.
 24.00 Gulch, 10 lks. wide, course SW., asc.
 36.00 Spur from NNE., desc. grad.
 39.96 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 24 in N. and
 $\frac{1}{4}$ S 25 in S. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 47.00 Gulch, 30 lks. wide, course SSW., and over gently rolling land.
 79.92 Cor. of secs. 23, 24, 25 & 26, hereinbefore described.
 Land, rolling.
 Soil, dry, stoney, 3rd rate.
 No timber. Sparse grass.

N.0° 1'W., bet. secs. 23 & 24.
 Over heavily rolling, broken land.
 10.95 Wash, 25 lks. wide, course SW.
 15.60 Gulch, 15 lks. wide, course SW.
 26.40 Gulch, 30 lks. wide, course WSW., asc.
 30.00 Low spur, ENE. & WSW., desc. grad.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 23 in W. and
 $\frac{1}{4}$ S 24 in E. half; from which
 An oak, 5 ins. in dia., bears S. $75\frac{1}{2}^{\circ}$ E., 70 lks. dist., marked
 $\frac{1}{4}$ S 24 BT
 An oak, 12 ins. in dia., bears S. $57\frac{1}{2}^{\circ}$ W., 90 lks. dist., marked
 $\frac{1}{4}$ S 23 B T
 42.30 Gulch, 10 lks. wide, course WSW., asc.
 55.00 Desc. steep.
 70.00 Gulch, 15 lks. wide, course SW., asc. steep.
 74.00 Top of steep ascent.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the

Chains

ground, for Cor. of secs. 13, 14, 23 & 24, marked on brass cap,
 T 19 S R 18 E in N. half;
 S 14 in NW.,
 S 13 in NE.,
 S 24 in SE. and
 S 23 in SW. quad.;

raise amount of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, heavily rolling.
 Soil, dry, stoney, 3rd rate.
 Scattering oak trees. Cacti. Fair grass.

March 16, 1913.

March 17, 1913: At 8h a.m., l.m.t., I set off $1^{\circ}23\frac{1}{2}'S$ on the decl. arc; $31^{\circ}46'N$ on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 13, 14, 23 & 24, above described, Thence I run
 $S. 89^{\circ}59'E$ on a random line bet. secs. 13 & 24.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect E. bdy. of Tp. 2 lks. S. of cor. of secs. 13, 18, 19 & 24, recently established by W.H.E. & described in Book "G", whence I run, West $5^{\circ}10'$, on a true line bet. secs. 13 & 24.

6.00 Desc. steep.
 Gulch, 20 lks. wide, course NW., and along N. slope of ridge descending.

39.97 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 13 in N. and
 S 24 in S. half;

56.50 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Head of gulch, course N., and ascend along N. slope.
 79.94 Cor. of secs. 13, 14, 23 & 24, hereinbefore described.
 Land, heavily rolling.
 Soil, dry, gravelly, 3rd rate.
 Scattering oak trees. Fair grass.

N. $0^{\circ}1'W$, bet. secs. 13 & 14.
 Over rough, broken land.

2.00 Desc. precipitously.
 10.00 Gulch, 20 lks. wide, course WNW., asc. steep.
 25.00 Spur, WNW. & ESE., desc. precipitously.
 30.00 Gulch, 15 lks. wide, course WNW., asc. steep.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 14 in W. and
 S 13 in E. half;

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 At this cor., at noon, I set off $1^{\circ}20'S$ on the decl. arc, and observe the sun on the meridian. The resulting latitude is $31^{\circ}46\frac{1}{2}'N$.

43.20 Spur, WNW. & ESE., desc. steep.
 56.00 Gulch, 15 lks. wide, course NW, asc. precipitously.
 74.20 High spur, W. & ESE., desc. precipitously.
 79.40 Gulch, 30. lks. wide, course W., asc. precipitously.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 11, 12, 13 & 14, marked on brass cap,
 T 19 S R 18 E in N. half;
 S 11 in NW., S 12 in NE.,
 S 13 in SE. and S 14 in SW. quad.; from which
 An oak, 12 ins. in dia., bears N. $16\frac{1}{2}^{\circ}E$. 56 lks. dist., marked
 T 19 S R 18 E S 12 B T
 An oak, 10 ins. in dia., bears S. $22^{\circ}E$. 80 lks. dist., marked
 T 19 S R 18 E S 13 B T
 A cedar, 14 ins. in dia., bears S. $54\frac{1}{2}^{\circ}W$. 55 lks. dist., marked
 T 19 S R 18 E S 14 B T

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, rough, broken. Soil, dry, stoney, 3rd rate.
 Scattering oak trees. Sparse grass.

BOOK 2496

Chains
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect E. bdy. of Tp. 7 lks. S. of cor. of secs. 7, 12, 13 & 18, ~~recently~~ established by W.H.E. & described in Book "G", whence I run, S. 89° 57' W., on a true line bet. secs. 12 & 13.
 Desc. over mountainous land.
 39.00 Gulch, 20 lks. wide, course WNW.,
 40.01 Point for $\frac{1}{4}$ sec. cor. comes on edge of gulch, and cor. placed there would be liable to be washed out, ^{therefore} at
 41.01 Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, witness cor. to
 W C $\frac{1}{4}$ in E. half;
 S 12 in NW. and
 S 13 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ high, N. of cor.
 41.20 Enter same gulch and down same.
 55.00 Leave gulch, course WSW., asc. steep.
 75.00 Top of rocky point from N., desc. steep.
 80.02 Cor. of secs. 11, 12, 13 & 14, ~~hereinbefore~~ described.
 Land, rough, mountainous.
 Soil, dry, rocky, 3rd rate.
 Scattering oak and pinon.
 Sparse grass.

March 17, 1913.

March 18, 1913: At 8h a.m., l.m.t., I set off 1° 0' S. on the decl. arc; 31° 47' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13 & 14, ~~hereinbefore~~ described, whence I run, N. 0 1' W., bet. secs. 11 & 12.
 Over mountainous land, asc. precipitously.
 1.00 Asc. steep.
 20.00 High ridge, SE. & WNW., desc. steep.
 24.00 Gulch, 30 lks. wide, course WNW., asc. steep.
 31.00 Spur, WNW. & ESE., desc. steep.
 33.00 Gulch, 25 lks. wide, course WNW., asc. steep.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 11 in W. and
 S 12 in E. half; from which
 An oak, 12 ins. dia., bears S. 44° E. 52 lks. dist., marked $\frac{1}{4}$ S 12 B T
 An oak, 8 ins. dia., bears S. 53 $\frac{1}{2}$ ° W. 41 lks. dist., marked $\frac{1}{4}$ S 11 B T
 This $\frac{1}{4}$ sec. cor. is on top of spur, WNW. & ESE., desc. steep.
 57.50 Gulch, 15 lks. wide, course W., asc. steep.
 73.00 Spur, NE. & SW., desc. grad.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 1, 2, 11 & 12, marked on brass cap,
 T 19 S R 18 E in N. half;
 S 2 in NW.,
 S 1 in NE.,
 S 12 in SE. and
 S 11 in SW. quad.; from which
 An oak, 12 ins. dia., bears N. 19 $\frac{1}{2}$ ° E. 144 lks. dist., marked T 19 S R 18 E S 1 B T
 An oak, 12 ins. dia., bears S. 54 $\frac{1}{2}$ ° W. 64 lks. dist., marked T 19 S R 18 E S 11 B T
 An oak, 14 ins. dia., bears N. 51 $\frac{1}{2}$ ° W. 33 lks. dist., marked T 19 S R 18 E S 2 B T
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, dry, rocky, 3rd rate.
 Oak and scattering pinon trees.
 Sparse grass.

Chains

- BOOK 2496
- N.89° 57' 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. 7 lks. S. of cor. of secs. 1, 6, 7 & 12, recently established by W.H.E. & described in Book "G", whence I run, S.89° 54' W., on a true line bet. secs. 1 & 12.
 Over mountainous land, desc. precipitously.
 4.00 Canyon, 60 lks. wide, course NW., asc. precipitously.
 10.00 Spur, WNW. & SE., desc. steep.
 40.03 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor.,
 Marked on brass cap,
 $\frac{1}{4}$ S 1 in N. and
 S 12 in S. half; from which
 an oak, 14 ins. dia., bears S.43 $\frac{1}{4}$ ° E. 60 lks. dist., marked
 $\frac{1}{4}$ S 12 B T
 a juniper, 18 ins. dia., bears N.39° E. 70 lks. dist., marked,
 $\frac{1}{4}$ S 1 B T
 45.00 Gulch, 15 lks. wide, course WSW., asc. steep.
 71.00 Low spur, ENE. & WSW., desc. grad..
 80.06 Cor. of secs. 1, 2, 11 & 12, hereinbefore described.
 Land, mountainous.
 Soil, dry, rocky, 3rd rate.
 Oak, pinon and juniper trees.
 Sparse grass.
 At this cor. at noon, I set off 0° 56 $\frac{1}{2}$ ' S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 31° 48' N.

- N.0° 1' W., bet secs. 1 & 2.
 Desc. steep.
 2.50 Gulch, 10 lks. wide, course SW., asc. ~~to ground~~
 8.50 Low ridge, NE. & SW., desc. steep.
 16.00 Gulch, 20 lks. wide, course WSW., asc. grad.
 35.00 Ridge, NE. & SW., desc. grad.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 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;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 44.50 Gulch, 25 lks. wide, course W., asc. steep.
 58.00 Ridge, E. & W., desc.
 78.21 Intersect N. bdy. of Tp. at a point from which the cor. of secs. 35 & 36 bears N.82° 7' E. 5.80 chs. dist., which is a limestone, 16x4x8 ins. above ground, marked and witnessed as described by the Surveyor General.
 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for closing cor. of secs. 1 & 2, marked on brass cap,
 C C S. of center.
 T 18 S R 18 E S 35 S 36 in N. half;
 S 1 in SE. and
 S 2 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.
 Land, heavily rolling, broken.
 Soil, dry, gravelly, 3rd rate.
 Scattering oak trees. Fair Grass.

March 18, 1913.

J.B.W.

W.H.E.

- March, 16, 1913: At 8h a.m., 1.m.t., I set off 1° 47' S. on the decl. arc; 31° 44' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 & 35, on the S. bdy. of the Tp., which is silicate stone, 8x5x6 ins. above ground, marked and witnessed as described by the Surveyor General.
 Thence I run
 N.0° 1' W., bet. secs. 34 & 35.
 Over gently rolling land.
 0.30 Wire fence, E. & W.
 2.00 House of J.S. Hamlet bears E. 270 lks. dist.
 2.35 Wire fence, E. & W.
 25.46 Wire fence, E. & W.

BOOK 2496

Chains
 39.90 Wash, 35 lks. wide, course WSW.
 40.00 Edge of wash, unsafe place to set $\frac{1}{4}$ sec. cor. ^{therefore} at
 40.50 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap,
 W C $\frac{1}{4}$ in S. half;
 S 35 in NE. and
 S 34 in NW. quad.; from which
 an oak, 15 ins. dia., bears S. 58 $\frac{1}{2}$ ° E. 120 lks. dist., marked
 W C $\frac{1}{4}$ S 35 B T
 an oak, 36 ins. dia., bears S. 67° W. 110 lks. dist., marked
 W C $\frac{1}{4}$ S 34 B T
 46.50 Same wash, course SE.
 48.70 Same wash, course SW.
 78.60 Road, E. & W.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the
 ground, for cor. of secs. 26, 27, 34 & 35, marked on brass
 cap,
 T 19 S R 18 E in N. half;
 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, undulating.
 Soil, dry, sandy loam, 2nd rate.
 Scattering oak trees. Good grass.

East, on a random line bet. secs. 26 & 35.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect N. & S. line 2 lks. S. of cor. of secs. 25, 26, 35 & 36,
~~hereinbefore described~~, whence I run,
 S. 89° 59' W., on a true line bet. secs. 26 & 35.
 Desc. grad.
 40.03 Set an iron post, 3 ft. long, 1 in. in dia., 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;
 dig pits, 18x18x12 ins., E. & W. of post, 3 ft. dist.; and
 raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 51.00 Wash, 30 lks. wide, course S.
 69.90 Road, NE. & SW.
 71.40 Same road, NW. & SE.
 74.20 Same road, NE. & SW.
 80.06 Cor. of secs. 26, 27, 34 & 35, hereinbefore described.
 Land, gently rolling.
 Soil, sandy loam mixed with gravel, 2nd and 3rd rate.
 No timber. Fair grass.

N. 0° 1' W., bet. secs. 26 & 27.
 Over slightly rolling land.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 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;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 At this cor. at noon, I set off 1° 43 $\frac{1}{2}$ ' S. on the decl. arc, and
 observe the sun on the meridian. The resulting latitude
 is 31° 45' N.
 42.30 Wood road, NE. & SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the
 ground, on bed-rock, in mound of stone, for cor. of secs.
 22, 23, 26 & 27, marked on brass cap,
 T 19 S R 18 E in N. half;
 S 22 in NW.,
 S 23 in NE.,
 S 26 in SE. and
 S 27 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling.
 Soil, dry, gravelly, 2nd and 3rd rate.
 No timber. Fair grass.

Chains N. 89° 59' E., on a random line bet. secs. 23 & 26
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.08 Intersect N. & S. line 5 lks. N. of cor. of secs. 23, 24, 25 & 26,
 hereinbefore described, whence I run,
 N. 89° 59' W., on a true line bet. secs. 23 & 26.
 Over rolling land, desc.
 9.20 Wash, 10 lks. wide, course S.
 29.20 Wash, 30 lks. wide, course S.
 40.04 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 23 in N. and
 $\frac{1}{4}$ S 26 in S. half;
 raise a mound of stone $\frac{3}{4}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 79.40 Road, N. & S.
 79.60 Wash, 20 lks. wide, course S.
 80.08 Cor. of secs. 22, 23, 26 & 27, hereinbefore described.
 Land, rolling.
 Soil, dry, gravelly, 2nd and 3rd rate.
 No timber. Fair grass.

N. 0° 1' W., bet. secs. 22 & 23.
 Over rolling land.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 22 in W. and
 $\frac{1}{4}$ S 23 in E. half;
 dig pits, 18x18x12 ins., N. & S. of post, 3 ft. dist.; and
 raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 61.20 Road, E. & W.
 61.40 Wash, 25 lks. wide, course W.
 74.00 Wash, 30 lks. wide, course SW.
 78.15 Road, NE. & SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the
 ground, on bed-rock, in mound of stone, for cor. of secs.
 14, 15, 22 & 23, marked on brass cap,
 T 19 S R 18 E in N. half;
 S 15 in NW.,
 S 14 in NE.,
 S 23 in SE. and
 S 22 in SW. quad.;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 No timber. Fair grass.

March 16, 1913.

March 17, 1913: At 8h a.m., l.m.t., I set off, $1^{\circ}23\frac{1}{2}'$ S. on the
 decl. arc; $31^{\circ}46'$ N. on the lat. arc; and determine a meridian
 with the solar, at the cor. of secs. 14, 15, 22 & 23, above described,
 Thence I run
 S. 89° 59' E., on a random line bet. secs. 14 & 23.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. & S. line 7 lks. S. of cor. of secs. 13, 14, 23 & 24,
 hereinbefore described, whence I run,
 S. 89° 58' W., on a true line bet. secs. 14 & 23.
 Desc. grad.
 11.20 Desc. steep.
 14.00 Head of gulch, WSW., asc.
 40.05 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the
 ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor.,
 marked on brass cap,
 $\frac{1}{4}$ S 14 in N. and
 $\frac{1}{4}$ S 23 in S. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 70.00 Wash, 30 lks. wide, course SW.
 76.00 Wood road, NE. & SW.
 80.10 Cor. of secs. 14, 15, 22 & 23, hereinbefore described.
 Land, mountainous, rough.
 Soil, dry, rocky, 2nd and 3rd rate.
 No timber. Fair grass.

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Chains	
	N.0° 1'W., bet. secs.14 & 15. Over heavily rolling land.
26.00	Gulch, 20 lks.wide, course WSW., asc.
33.50	Spur, E.& W., desc.
38.40	Gulch, 15 lks.wide, course WSW., asc. steep.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 15 in W. and S 14 in E. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
44.10	Spur, NE. & SW., desc. steep.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 10, 11, 14 & 15, marked on brass cap, T 19 S R 18 E in N. half; S 10 in NW., S 11 in NE., S 14 in SE. and S 15 in SW. quad.; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, mountainous. Soil, dry, rocky, 3rd rate. Scattering oak trees. Fair grass. At this cor. at noon, I set off 1° 20' S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 31° 47' N
40.00	N. 89° 58' E., on a random line bet. secs. 11 & 14. Set temp. $\frac{1}{4}$ sec. cor.
80.14	Intersect N. & S. line 2 lks, S. of cor. of secs. 11, 12, 13 & 14, hereinbefore described , whence I run, S. 89° 57' W., on a true line bet. secs. 11 & 14. asc.
40.07	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ 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.
43.30	Ridge, NW. & SE., desc. steep.
59.40	Wash, 30 lks.wide, course S., asc. steep.
60.50	Spur, NE. & SW., Desc.
67.00	Wash, 70 lks.wide, course NW., asc. steep.
80.14	Cor. of secs. 10, 11, 14 & 15, hereinbefore described . Land, mountainous. Soil, dry, rocky, 3rd rate. Scattering oak trees. Sparse grass.
	March 17, 1913.
	March 18, 1913: At 8h a.m., l.m.t., I set off 1° 0' S. on the decl. arc; 31° 47' N. on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 10, 11, 14 & 15, hereinbefore described . Thence I run N. 0° 1' W., bet. secs. 10 & 11. Desc. precipitously.
4.50	Gulch, 70 lks.wide, course W., running water insame. Asc. steep.
14.80	Spur, ENE. & WSW., Desc. grad.
21.60	Desc. steep.
25.80	Gulch, 25 lks.wide, course W., asc. steep.
30.40	Spur, E. & W., desc.
37.30	Desc. precipitously.
38.80	Gulch, 25 lks.wide, course W., asc.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 10 in W. and S 11 in E. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
71.00	High ridge, E. & WSW., desc.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the

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ground, on bed-rock, in mound of stone, for cor. of secs. 2, 3, 10 & 11, marked on brass cap,
 T 19 S R 18 E in N. half;
 S 3 in NW.,
 S 2 in NE.,
 S 11 in SE. and
 S 10 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 Soil, dry, stoney, 3rd rate.
 Scattering oak trees. Sparse grass.

40.00 N. 89° 57' E., on a random line bet. secs. 2 & 11.
 Set temp. ¼ sec. cor.
 80.08 Intersect N. & S. line 7 lks. N. of cor. of secs. 1, 2, 11 & 12,
~~as before described~~, whence I run,
 West, on a true line bet. secs. 2 & 11.
 Desc. grad.
 2.50 Gulch, 15 lks. wide, course SW., asc. steep.
 10.00 Spur, NE. & SW., desc.
 16.00 Head of gulch, WSW., asc.
 27.00 Spur, NE. & SW., desc.
 40.04 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the
 ground, on bed-rock, in mound of stone, for ¼ sec. cor.,
 marked on brass cap,
 ¼ S 2 in N. and
 S 11 in S. half;
 raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 At this cor, at noon, I set off 0° 56½' S. on the decl. arc, and
 observe the sun on the meridian. The resulting latitude
 is 31° 48' N.
 42.50 Gulch, 10 lks. wide, course SW., asc.
 45.00 Point of spur from N., desc.
 60;00 Gulch, 25 lks. wide, course WNW., asc. steep. ~~and desc.~~
 80.08 Cor. of secs. 2, 3, 10 & 11, ~~hereinbefore described~~.
 Land, heavily rolling.
 Soil, dry, sandy, gravelly, 3rd rate.
 Scattering oak trees. Sparse grass.

N. 0° 1' W. bet. secs. 2 & 3.
 Desc. precipitously.
 4.00 Gulch, 20 lks. wide, course W., asc. grad.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the
 ground, on bed-rock, in mound of stone, for ¼ sec. cor.,
 marked on brass cap,
 ¼ S 3 in W. and
 S 2 in E. half;
 raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 64.00 Ridge, ENE. & WSW., desc.
 73.95 Intersect N. bdry. of Tp. at a point, from which the cor. of
 secs. 34 & 35 of T. 18 S., R. 18 E. on said bdry., bears N. 88°
 04' E. 6.00 chs. dist., which is a granite stone 12x5x7 ins.
 above ground, marked and witnessed as described by the
 surveyor general.
 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the
 ground, on bed-rock, in mound of stone, for closing cor. of
 secs. 2 & 3, marked on brass cap,
 C C S. of center;
 T 18 S R 18 E S 34 S 35 in N. half;
 S 2 in SE. and
 S 3 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
 Land, heavily rolling.
 Soil, dry, stoney, 3rd rate.
 No timber. Sparse grass.

W. H. E.
 March 18, 1913.

BOOK 2496

Chains	J.B.W.
	<p>March 19, 1913: At 8h a.m., 1.m.t., I set off 0° 36' S. on the decl. arc; 31° 44' N. on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 3, 4, 33 & 34, on the S. bdry. of the Tp., which is a granite stone, 8x5x5 ins. above ground, marked and witnessed as described by the surveyor general.</p> <p>Thence I run N. 0° 2' W., bet. secs. 33 & 34. Over nearly level land, ascending grad.</p>
20.00	House of Chas. L. Woods bears W. 4 chs. dist.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	<p>$\frac{1}{4}$ S 33 in W. and S 34 in E. half;</p>
	dig pits, 18x18x12 ins., N. & S. of post, 3 ft. dist., and
	raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
43.00	House of T. A. DeBoer bears E. 8 chs. dist.
62.00	House of Solomon J. Block, bears W. 9 chs. dist.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 27, 28, 33 & 34, marked on brass cap,
	T 19 S R 18 E in N. half;
	S 28 in NW.,
	S 27 in NE.,
	S 34 in SE. and
	S 33 in SW. quad.;
	raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	Land, nearly level.
	Soil, dry, sandy, 2nd rate.
	No timber. Fair grass.
40.00	East, on a random line bet. secs. 27 & 34.
80.12	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. & S. line 5 lks. S. of cor. of secs. 26, 27, 34 & 35,
	hereinbefore described , whence I run,
	S. 89° 58' W. on a true line bet. secs. 27 & 34.
	Over nearly level land.
0.95	Road, NW. & SE.
22.50	Road, NE. & SW.
40.06	Set an iron post, 3 ft. long, 1 in. in dia., 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, 18x18x12 ins., E. & W. of post, 3 ft. dist., and
	raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
80.12	Cor. of secs. 27, 28, 33 & 34, hereinbefore described .
	Land, gently undulating.
	Soil, dry, sandy, 2nd rate.
	No timber. Fair grass.
7.00	N. 0° 2' W., bet. secs. 27 & 28.
10.00	Over gently undulating land.
26.00	Wash, 20 lks. wide, course SW.
40.00	House of E. C. Tolman bears W. 12 chs. dist.
	House of George Clark bears E. 8 chs. dist.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 28 in W. and
	S 27 in E. half;
	dig pits, 18x18x12 ins., N. & S. of post, 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 dia., 24 ins. in the ground, for cor. of secs. 21, 22, 27 & 28, marked on brass cap,
	T 19 S R 18 E in N. half;
	S 21 in NW.,
	S 22 in NE.,
	S 27 in SE. and
	S 28 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, undulating.
	Soil, dry, sandy, 2nd rate.
	No timber. Good grass.

Chains	
40.00	N.89°58'E., on a random line bet. secs.22 & 27. Set temp. $\frac{1}{4}$ sec.cor.
80.16	Intersect N.& S.line 7 lks.N.of cor.of secs.22,23,26 & 27, hereinafter described , whence I run, N.89°59'W., on a true line bet. secs.22 & 27. Over slightly rolling land.
40.08	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 22 in N. and S 27 in S. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. At this cor. at noon, I set off 0°33'S. on the decl. arc, and observed the sun on the meridian. The resulting latitude was 31°45 $\frac{1}{2}$ N.
57.80	Wash, 30 lks. wide, course SW.
62.30	Road, NNE. & SSW.
63.70	Wash, 30 lks. wide, course SSW.
80.16	Cor. of secs. 21, 22, 27 & 28, hereinafter described . Land, slightly rolling. Soil, dry, stoney, 2nd and 3rd rate. No timber. Fair grass.
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	N.0°2'W., bet. secs. 21 & 22. Over high rolling mesa.
3.50	Road, NE. & SW.
33.00	Wash, 30 lks. wide, course W.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, $\frac{1}{4}$ S 21 in W. and S 22 in E. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
41.50	Wash, 50 lks. wide, course SW.
79.00	Edge of mesa, NE. & SW., and desc. steep.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 15, 16, 21 & 22, marked on brass cap, T 19 S R 18 E in N. half; S 16 in NW., S 15 in NE., S 22 in S th . and S 21 in SW. quad.; from which An oak, 10 ins. dia., bears N.54 $\frac{1}{2}$ ° E. 44 lks. dist., marked T 19 S R 18 E S 15 B T An oak, 10 ins. dia., bears S.77 $\frac{3}{4}$ ° W. 29 lks. dist., marked T 19 S R 18 E S 21 B T An oak, 10 ins. dia., bears N.86 $\frac{3}{4}$ ° W. 125 lks. dist., marked T 19 S R 18 E S 16 B T raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, slightly rolling. Soil, dry, gravelly, 2nd and 3rd rate. Scattering oak trees along N. part of line. Fair grass.
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	S.89°59'E., on a random line bet. secs. 15 & 22.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.16	Intersect N.& S.line 9 lks.S.of cor.of secs.14,15,22 & 23, hereinafter described , whence I run, S.89°57'W., on a true line bet. secs.15 & 22. Over heavily rolling land.
40.08	Set an iron post, 3 ft. long, 1 in. in dia., 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; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
60.00	Wash, 15 lks. wide, course SSW.
79.00	Desc. steep.
80.16	Cor. of secs. 15, 16, 21 & 22, hereinafter described . Land, rolling. Soil, dry, gravelly, 2nd and 3rd rate. Scattering oak trees. Fair grass.

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Chains

N. 0° 2' W., bet. secs. 15 & 16.
 Desc. steep.

3.00 Head of gulch, WNW., asc.

6.00 Low point of ridge from ESE., desc.

12.00 Gulch, 15 lks. wide, course W., asc. steep.

20.60 Spur, E. & W., desc. steep.

32.50 Gulch, 35 lks. wide, course W., asc. grad. A spring bears E. 5 chs. dist.

35.00 Asc. steep, along E. slope of ridge.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 16 in W. and
 S 15 in E. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

49.00 Desc. grad.

70.00 Foot of descent, NW. & SE.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 9, 10, 15 & 16, marked on brass cap,
 T 19 S R 18 E in N. half;
 S 9 in NW.,
 S 10 in NE.,
 S 15 in SE. and
 S 16 in SW, quad.; from which
 A mesquite, 12 ins. dia., bears N. 64 $\frac{1}{2}$ ' W. 178 lks. dist., marked
 T 19 S R 18 E S 9 B T
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, rough, broken.
 Soil, dry, rocky, 3rd rate.
 Scattering oak and mesquite trees. Sparse grass.
 March, 19, 1913.

March 20, 1913: At 8h. a.m., 1.m.t., I set off 0° 12 $\frac{1}{2}$ ' S. on the decl. arc; 31° 47' N. on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 9, 10, 15 & 16, above described. Thence I run

40.00 N. 89° 57' E, on a random line bet. secs. 10 & 15.
 Set temp. $\frac{1}{4}$ sec. cor.

80.24 Intersect N. & S. line 14 lks. N. of cor. of secs. 10, 11, 14 & 15, ~~thereinbefore described~~, whence I run,
 N. 89° 57' W., on a true line bet. secs. 10 & 15.
 Over broken land, many limestone ledges.

40.12 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 10 in N. and
 S 15 in S. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.24 Cor. of secs. 9, 10, 15 & 16, hereinbefore described.
 Land, broken.
 Soil, dry, rocky, 3rd rate.
 Few scattering oak trees. Sparse grass.

N. 0° 2' W. bet. secs. 9 & 10,
 Over rolling land broken with limestone ledges.

33.10 Wash, 30 lks. wide, course W., asc. grad.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 9 in W. and
 S 10 in E. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

40.80 Low ridge, SW. & ENE., over limestone ledges running E. & W.

57.40 Gulch, 30 lks. wide, course W., asc. steep.

60.00 Spur, E. & W., desc. steep.

67.00 Gulch, 10 lks. wide, course W., asc. steep.

78.00 Spur, E. & W., desc. steep.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 3, 4, 9 & 10, marked on brass cap,

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T 19 S R 18 E in N. half;
 S 4 in NW.,
 S 3 in NE.,
 S 10 in SE. and
 S 9 in SW. quad.; from which
 An oak, 10 ins. dia., bears N. 85° E. 2 lks. dist., marked
 T 19 S R 18 E S 3 B T
 An oak, 10 ins. dia., bears S. 62 $\frac{1}{4}$ ° E. 90 lks. dist., marked
 T 19 S R 18 E S 10 B T
 An oak, 8 ins. dia., bears S. 23 $\frac{1}{2}$ ° W. 70 lks. dist., marked
 T 19 S R 18 E S 9 B T
 An oak, 4 ins. dia., bears N. 76 $\frac{1}{2}$ ° W. 82 lks. dist., marked
 T 19 S R 18 E S 4 B T

Land, mountainous, very broken.
 Soil, dry, rocky, 3rd rate.
 Scattering oak trees. Cacti. Fair grass.
 At this cor., at noon, I set off 0° 9' S. on the decl. arc, and
 observe the sun on the meridian. The resulting latitude
 is 31° 48' N.

40.00 S. 89° 57' E., on a random line bet. secs. 3 & 10.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.22 Intersect N. & S. line 2 lks. S. of cor. of secs. 2, 3, 10 & 11,
~~hereinbefore described~~, whence I run,
 N. 89° 58' W., on a true line bet. secs. 3 & 10.
 Desc. grad.
 6.00 Desc. steep.
 18.20 Gulch, 50 lks. wide, course WSW., asc. grad.
 40.11 Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the
 ground, in mound of stone, on bed rock, 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
 An oak, 10 ins. dia., bears S. 3° E. 26 lks. dist., marked
 $\frac{1}{4}$ S 10 B T
 An oak, 12 ins. dia., bears N. 40° W. 41 lks. dist., marked
 $\frac{1}{4}$ S 3 B T

55.00 Low part of ridge, ENE. & WSW., desc. grad.
 80.22 Cor. of secs. 3, 4, 9 & 10, ~~hereinbefore described~~.
 Land, mountainous.
 Soil, dry, rocky, 3rd rate.
 Oak trees. Cacti. Sparse grass.

N. 0° 2' W., bet. secs. 3 & 4.
 Desc. steep.
 2.00 Gulch, 20 lks. wide, course W., asc. steep.
 27.25 Ridge, E. & W.
 30.00 Desc. steep.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the
 ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor.,
 marked on brass cap,
 $\frac{1}{4}$ S 4 in W. and
 S 3 in E. half;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 46.10 Gulch, 15 lks. wide, course W., asc. steep.
 51.00 Spur, NE. & W., desc. grad.
 64.00 Gulch, 10 lks. wide, course W., asc.
 70.00 Ridge, NW. & SE., desc. steep.
 78.50 Intersect N. bdy. of Tp. at a point, from which the cor. of
 secs. 33 & 34 of T. 18 S., R. 18 E. on said bdy., bears
 S. 89° 32' E. 5.65 chs. dist., which is a granite stone,
 8x5x5 ins. above ground, marked and witnessed as described
 by the surveyor general.
 Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the
 ground, for closing cor. of secs. 3 & 4, marked on brass
 cap,
 C C S. of center;
 T 18 S R 18 E S 33 S 34 in N. half;
 S 4 in SE., and S 3 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.
 Land, mountainous, rough.
 Soil, dry, rocky, 3rd rate. Scattering oak trees. Fair grass.

J. B. W.
 March 20, 1913.

Chains

W.H.E,

BOOK

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	March, 19, 1913: At 8h a.m., 1.m.t., I set off $0^{\circ}36'S$ on the decl. arc; $31^{\circ}44'N$ on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 4, 5, 32 & 33 on the S. bdy. of the Tp., which is a sandstone, 7x5x6 ins. above ground, marked and witnessed as described by the surveyor general.
	Thence I run
	$N.0^{\circ}2'W.$, bet. secs. 32 & 33.
	Over nearly level land, ascending grad.
4.00	House of W.W. Stutsman, bears W. 5 chs. dist.
10.00	House of M.C. Stutsman, bears E. 8 chs. dist.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 32 in W. and S 33 in E. half;
	dig pits, 18x18x12 ins., N. & S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
40.10	Wire fence E. & W.
45.00	House of S.M. Miller bears W. 60 lks. dist.
48.00	House of H.L. Hooker bears E. 8 chs. dist.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 28, 29, 32 & 33, marked on brass cap, T 19 S R 18 E in N. half; 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, nearly level.
	Soil, dry, sandy loam, 2nd rate.
	No timber. Good grass.
	East, on a random line bet. secs. 28 & 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. & S. line 5 lks. N. of cor. of secs. 27, 28, 33 & 34, hereinbefore described , whence I run, $N.89^{\circ}58'W.$, on a true line, bet. secs. 28 & 33.
	Over nearly level land, ascending grad.
39.98	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 28 in N. and S 33 in S. half;
	dig pits, 18x18x12 ins., E. & W. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
75.00	House of W.B. Wagfield bears N. 5 chs. dist.
79.96	Cor. of secs. 28, 29, 32 & 33, hereinbefore described.
	Land, nearly level.
	Soil, dry, sandy loam, 2nd rate.
	No timber. Good grass.
	$N.0^{\circ}2'W.$, bet. secs. 28 & 29.
	Over nearly level land.
20.00	Leave level land and over broken rolling land.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 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.
50.00	Desc. steep.
75.00	Wash, 100 lks. wide, course NW., asc.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 20, 21, 28 & 29, marked on brass cap, T 19 S R 18 E in N. half; S 20 in NW., S 21 in NE., S 28 in SE. and S 29 in SW. quad.;
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, mostly rolling, broken
	Soil, dry, sandy, 2nd and 3rd rate.
	No timber. Fair grass.

Chains	
	S. 89° 58' E., on a random line bet. secs. 21 & 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. & S. line 5 lks. N. of cor. of secs. 21, 22, 27 & 28. Hereinbefore described, whence I run, N. 89° 56' W., on a true line bet. secs. 21 & 28. Over rolling land. Road, NE. & SW. 3.00 Desc. steep. 17.00 Gulch, 20 lks. wide, course NNW. 25.00 Wood road, NNW. & SSE. 27.10 Wash, 50 lks. wide, course SW., asc. steep. 38.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the 39.96 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 in N. and S 28 in S. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. 50.00 Spur, NE. & SW., desc. grad. along S. slope. 79.92 Cor. of secs. 20, 21, 28 & 29, hereinbefore described. Land, rolling. Soil, dry, sandy, 2nd and 3rd rate. Scattering oak trees. Fair grass. At this cor., at noon, I set off 0° 33' S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 31° 45 $\frac{1}{2}$ ' N.
	N. 0° 2' W., bet. secs. 20 & 21. Over rough, broken land. Sandstone ledges. Asc. 6.00 Spur, E. & W., desc. 25.00 Wash, 20 lks. wide, course SW., asc. grad. 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 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; - raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Asc. steep from cor. 49.50 Ridge, E. & W., desc. steep. 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 16, 17, 20 & 21, marked on brass cap, T 19 S R 18 E in N. half; S 17 in NW., S 16 in NE., S 21 in SE. and S 20 in SW. quad.; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, heavily rolling. Soil, dry, stoney, 3rd rate. Scattering oak trees. Sparse grass.
	S. 89° 56' E., on a random line bet. secs. 16 & 21. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 79.90 Intersect N. & S. line 14 lks. S. of cor. of secs. 15, 16, 21 & 22, Hereinbefore described, whence I run, E. 89° 58' W. on a true line bet. secs. 16 & 21. Desc. 5.00 Asc. 12.00 Spur, NW. & SE., desc. steep. 20.00 Asc. steep. 27.00 Spur, NW. & SE., desc. 39.95 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 16 in N. and S 21 in S. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. 54.00 Asc. steep 65.00 Spur, NNW. & SSE., desc. 75.50 Wash, 40 lks. wide, course NW., asc. grad. 79.90 Cor. of secs. 16, 17, 20 & 21, hereinbefore described. Land, heavily rolling. Soil, dry, stoney, 3rd rate. Scattering oak trees. Sparse grass.

BOOK 2496

BOOK 2496

Chains

N.0° 2'W. bet. secs.16 & 17.
 Over heavily rolling land, descending.
 5.00 Wash, 40 lks. wide, course NW.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 17 in W. and
 S 16 in E. half;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 40.50 Wash, 60 lks. wide, course WNW.
 45.00 Wash, 30 lks. wide, course W., asc.
 60.00 W. end of spur, desc. steep.
 73.00 Gulch, 30 lks. wide, course W. asc. steep.
 75.00 Top of W. side of spur and along same.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 8, 9, 16 & 17, marked on brass cap,
 T 19 S R 18 E in N. half;
 S 8 in NW.,
 S 9 in NE.,
 S 16 in SE. and
 S 17 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, heavily rolling.
 Soil, dry, stoney, 3rd rate.
 Scattering oak trees. Sparse grass.

March 19, 1913.
W.H.E.

J.B.W.

March 21, 1913: At 8h a.m., 1.m.t., I set off 0° 11 $\frac{1}{2}$ ' N. on the decl. arc; 31° 47' N. on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 8, 9, 16 & 17, above described. Thence I run
 N. 89° 58' E., on a random line bet. secs. 9 & 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.86 Intersect N. & S. line 19 lks. N. of cor. of secs. 9, 10, 15 & 16, ~~hereinbefore described~~, whence I run,
 N. 89° 54' W., on a true line bet. secs. 9 and 16.
 Over rolling land.
 33.00 Asc. steep.
 39.93 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 9 in N. and
 S 16 in S. half;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Desc. grad. from cor.
 73.00 Asc. steep.
 77.00 Spur, N. & S., desc. steep.
 79.86 Cor. of secs. 8, 9, 16 & 17, hereinbefore described.
 Land, heavily rolling.
 Soil, dry, stoney, 3rd rate.
 Scattering oak trees. Sparse grass.

N.0° 2'W., bet. secs. 8 & 9.
 Asc. steep.
 10.00 Ridge, E. & W., desc. steep.
 15.00 Asc. grad.
 22.00 Asc. steep.
 32.00 Top of W. slope of ridge, desc. steep.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 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;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 48.00 Gulch, 15 lks. wide, course WNW., asc. steep.
 56.00 Spur, E. & W., desc. steep.
 64.00 Gulch, 20 lks. wide, course W., asc. grad.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 4, 5, 8 & 9, marked on brass cap,

Chains

T 19 S R 18 E in N.half;
 S 5 in NW.,
 S 4 in NE.,
 S 9 in SE.and
 S 8 in SW.quad.;

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, heavily rolling.

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

No timber. Sparse grass.

At this cor.;, at noon, I set off $0^{\circ}14\frac{1}{2}'N.$ on the decl. arc, and observe the sun on the meridian. The resulting latitude is $31^{\circ}48'N.$

BOOK 2496

40.00

S. $89^{\circ}54'E.$, on a random line bet. secs. 4 & 9.

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

79.80

Intersect N. & S. line 16 lks. S. of cor. of secs. 3, 4, 9 & 10, ~~therebefore described~~, whence I run,

S. $89^{\circ}59'W.$, on a true line bet. secs. 4 & 9.

Over heavily rolling land, descending

39.50

Wash, 50 lks. wide, course WNW., asc. steep.

39.90

Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

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

S 9 in S. half;

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

48.50

N. slope of ridge and desc. grad.

63.00

Same wash, 60 lks. wide, course SW., over broken land.

79.80

Cor. of secs. 4, 5, 8 & 9, ~~herebefore described~~.

Land, heavily rolling.

Soil, dry, stoney, 3rd rate.

No timber. Sparse grass.

N. $0^{\circ}2'W.$, bet. secs. 4 & 5

Over heavily rolling land.

25.00

Ridge, E. & W., desc.

40.00

Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 5 in W. and

S 4 in E. half;

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

48.00

Wash, 15 lks. wide, course NW., asc.

57.00

West end of spur, and desc.

71.00

Wash, 100 lks. wide, course W.

75.23

Intersect N. bdry. of Tp. at a point, from which the cor. of secs. 32 & 33 of T. 18 S. R. 18 E, on said bdry., bears S. $85^{\circ}58'E.$ 4.71 chs. dist., which is a sandstone, 8x6x6 ins. above ground, marked and witnessed as described by the surveyor general.

Set an iron post, 3 ft. long, 2 ins. in dia., 16 ins. in the ground, on bed-rock, in mound of stone, for closing cor. of secs. 4 & 5, marked on brass cap,

C C S. of center;

T 18 S R 18 E S 32 S 33 in N. half;

S 4 in SE. and

S 5 in SW. quad.;

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

Land, heavily rolling.

Soil, dry, stoney, 3rd rate.

No timber.

Sparse grass.

March 21, 1913.

J. B. W.

BOOK 2496

Chains	W.H.E.
	<p>March, 20, 1913: At 7h a.m., l.m.t., I set off 0°12'S. on the decl. arc; 31°44'N. on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 5, 6, 31 & 32, on the S. bdy. of the Tp., which is a lime stone, 8x7x6 ins. above ground, marked and witnessed as described by the surveyor general.</p> <p>Thence I run N. 0° 3' W., bet. secs. 31 & 32. Desc. grad.</p>
7.00	Wash, 15 lks. wide, course WSW., asc. steep.
12.00	Ridge, E. & W., desc. grad.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 31 in W. and S 32 in E. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
41.00	Enter draw, WNW.
43.50	Leave draw. Asc.
47.50	Low point of spur from ESE. Desc.
53.00	Enter draw, WSW.
57.00	Leave draw. Asc. grad.
80.00	Spur, NE. & SW. Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 29, 30, 31 & 32, marked on brass cap, T 19 S R 18 E in N. half; S 30 in NW., S 29 in NE., S 32 in SE. and S 31 in SW. quad.; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling. Soil, dry, sandy, 2nd and 3rd rate. No timber. Fair grass.
40.00	East on a random line bet. secs. 29 & 32. Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. & S. line 5 lks. N. of cor. of secs. 28, 29, 32 & 33, thence before described , whence I run, N. 89° 58' W., on a true line bet. secs. 29 & 32. Over gently rolling land.
32.00	Desc. grad.
39.99	Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 in N. and S 32 in S. half; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
46.00	Enter draw, course SW.
50.00	Leave draw and asc. grad.
55.00	Point of spur from NE. Desc.
56.00	Enter draw, course SW.
64.50	Leave draw and asc. grad.
79.00	Low spur, NE. & SW.
79.98	Cor. of secs. 29, 30, 31 & 32, hereinbefore described. Land, rolling. Soil, dry, sandy, 2nd and 3rd rate. No timber. Fair grass.
40.00	West, on a random line bet. secs. 30 & 31. Set temp. $\frac{1}{4}$ sec. cor.
78.95	Intersect W. bdy. of Tp. 44 lks. N. of cor. of secs. 25, 30, 31 & 36, recently reestablished by Jesse B. Wright, and by him described, in Book "A" Thence I run N. 89° 41' E., on a true line bet. secs. 30 & 31 Desc. steep.
5.00	Gulch, 15 lks. wide, course SW., asc. steep.
13.00	Spur, NE. & SW., desc. steep.
21.30	Wash, 15 lks. wide, course SW., asc. grad.

Chains
38.95 Top of spur, NE. & SW.
Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 30 in N. and
S 31 in S. half;
raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
44.00 Desc. grad.
59.00 Wash, 15 lks. wide, course SW., asc. grad.
78.95 Cor. of secs. 29, 30, 31 & 32, ~~hereinbefore~~ described.
Land, heavily rolling.
Soil, dry, sandy, 2nd and 3rd rate.
No timber. Fair grass.
At this cor., at noon, I set off $0^{\circ} 9' S.$ on the lat. arc, and observe the sun on the meridian. The resulting latitude is $31^{\circ} 44\frac{1}{2}' N.$

N. $0^{\circ} 3' W.$, bet. secs. 29 & 30,
Desc. steep.
5.00 Gulch, 15 lks. wide, course WSW., asc. steep.
16.00 Ridge, NW. & SE., desc. steep.
31.00 Wash, 15 lks. wide, course SW., asc. steep.
40.00 Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 30 in W. and
S 29 in E. half;
raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
44.00 Spur, NE. & SW., desc. precipitously.
57.00 Gulch, 25 lks. wide, course W., asc. steep.
64.00 Spur, E. & W., desc. precipitously.
72.00 Gulch, 20 lks. wide, course W., asc. steep.
80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 19, 20, 29 & 30, marked on brass cap,
T. 19 S R 18 E in N. half;
S 19 in NW.,
S 20 in NE.,
S 29 in SE. and
S 30 in SW. quad.;
raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, heavily rolling, broken.
Soil, dry, stoney, 3rd rate.
No timber. Fair grass.

S. $89^{\circ} 58' E.$, on a random line bet. secs. 20 & 29.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect N. & S. line 5 lks. S. of cor. of secs. 20, 21, 28 & 29, ~~hereinbefore~~ described, whence I run,
West, on a true line bet. secs. 20 & 29.
Desc.
5.00 Gulch, 50 lks. wide, course NW., asc.
37.00 Sandstone ledge, N. & S., desc.
39.98 Set an iron post, 3 ft. long, 1 in. in dia., 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;
raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
55.00 Wash, 15 lks. wide, course WSW.
65.00 Asc. along S. slope of ridge.
79.96 Cor. of secs. 19, 20, 29 & 30, ~~hereinbefore~~ described.
Land, rolling, broken.
Soil, dry, rocky, 3rd rate.
Scattering scrub oak trees. Sparse grass.
March 20, 1913.

Chains

BOOK

2495

March 21, 1913: At 8h a.m., l.m.t., I set off $0^{\circ} 11\frac{1}{2}' N.$ on the decl. arc; $31^{\circ} 45\frac{1}{2}' N.$ on the lat. arc; and determine a meridian with the solar, at the cor. of secs. 19, 20, 29 & 30, ^{herein before described,}

Thence I run, $S. 89^{\circ} 41' W.$, on a random line bet. secs. 19 & 30

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

78.22 Intersect W. bdry. of Tp. 5 lks. N. of cor. of secs. 19, 24, 25 & 30, as recently reestablished by Jesse B. Wright, and by him described, in Book "A";

Thence I run

~~$N. 89^{\circ} 39' E.$~~ on a true line bet. secs. 19 & 30.

Ascending along S. slope.

32.00 Spur, NE. & SW., ddesc.

36.00 Wash, 10 lks. wide, course SSW., asc.

38.22 Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 19 in N. and
S 30 in S. half;

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

42.00 Spur, NE. & SW., desc.

70.00 Wash, 55 lks. wide, course SW., Asc. precipitously.

76.00 Spur, ENE. & WSW., desc. steep.

78.22 Cor. of secs. 19, 20, 29 & 32, hereinbefore described.

Land, heavily rolling.

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

No timber. Sparse grass.

$N. 0^{\circ} 3' W.$, bet. secs. 19 & 20.

Asc. steep.

1.00 Spur, ENE. & WSW., desc. steep.

12.20 Wash, 30 lks. wide, course SW., asc. steep.

30.00 High ridge, E. & W., desc. steep.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 19 in W. and
S 20 in E. half; from which

An oak, 6 ins. dia., bears $N. 45^{\circ} E. 86$ lks. dist., marked $\frac{1}{4}$ S 20 B T

An oak, 5 ins. dia., bears $N. 43^{\circ} W. 86$ lks. dist., marked $\frac{1}{4}$ S 19 B T

43.00 Wash, 25 lks. wide, course W., asc. grad.

70.00 Spur, NE. & SW., desc. grad.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 17, 18, 19 & 20, marked on brass cap,

T 19 S R 18 E in N. half;
S 18 in NW.,
S 17 in NE.,
S 20 in SE. and
S 19 in SW. quad.;

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

Land, heavily rolling, broken.

Soil, dry, stoney, 2nd and 3rd rate.

Scattering oak trees. Sparse grass.

East, on a random line bet. secs. 17 & 20.

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

79.94 Intersect N. & S. line 5 lks. S. of cor. of secs. 16, 17, 20 & 21, ~~hereinbefore described~~, whence I run,

~~$S. 89^{\circ} 58' W.$~~ on a true line bet. secs. 17 & 20.

Over heavily rolling land, ascending.

18.00 Asc. steep.

30.50 Spur, N. & S., desc.

39.97 Set an iron post, 3 ft. long, 1 in. in dia., 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;

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

At this cor., at noon, I set off $0^{\circ} 14\frac{1}{2}' N.$ on the decl. arc, and observe the sun on the meridian. The resulting latitude is $31^{\circ} 46' N.$

Chains

50.00	Asc.
71.00	Ridge NNW. & SSE., desc. steep.
79.94	Cor. of secs. 17, 18, 19 & 20, hereinbefore described. Land, heavily rolling, broken. Soil, dry, stoney, 2nd and 3rd rate. Scattering oak trees. Fair grass.
<p>Knowing that an E. & W. line will intersect the E. bdry. of T. 19 S., R. 17 E. at a greater distance than 50 lks. from the cor. of secs. 13 & 24,</p> <p>I run</p> <p>West on a true line bet. secs. 18 & 19. Over heavily rolling land, descending.</p>	
11.00	Wash, 100 lks. wide, course SW., asc. grad.
30.00	Spur, N. & S., desc.
38.00	Gulch, 15 lks. wide, course S., asc.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 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; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
42.00	Spur, N. & S., desc.
48.00	Gulch, 20 lks. wide, course S., asc.
65.00	Spur, N. & S., desc.
72.00	Gulch, 15 lks. wide, course S., asc.
76.50	Spur, N. & S., desc.
77.80	Intersect E. bdry. of T. 19 S., R. 17 E. at a point from which the cor. of secs. 13 & 24 bears S. 0° 4' W. 125 lks. dist., recently reestablished by Jesse B. Wright and by him described, in Book "A" Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for closing cor. of secs. 18 & 19, marked on brass cap, C C W. of center. T 19 S in N. and S 13 S 24 R 17 E in W. half; S 18 in NE. and S 19 R 18 E in SE. quad.; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. Land, heavily rolling, broken. Soil, dry, stoney, 2nd and 3rd rate. Scattering oak trees. Fair grass.
<p>N. 0° 3' W., bet. secs. 17 & 18. Desc. grad.</p>	
12.00	Wash, 30 lks. wide, course SW., asc.
20.00	Spur, NW. & SE., asc. along E. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, in mound of stone, on bed-rock, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 in W. and S 17 in E. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Asc. steep.	
43.00	Ridge, ENE. & WSW.
49.50	Desc. steep.
65.00	Wash, 60 lks. wide, course W., asc. grad.
70.00	Spur, E. & W., desc.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 7, 8, 17 & 18, marked on brass cap, T 19 S R 18 E in N. half; S 7 in NW., S 8 in NE., S 17 in SE. and S 18 in SW. quad.; from which An oak, 12 ins. dia., bears N. 68 $\frac{1}{2}$ ° E. 56 lks. dist., marked T 19 S R 18 E S 8 B T An oak, 10 ins. dia., bears N. 22 $\frac{1}{4}$ ° W. 72 lks. dist., marked T 19 S R 18 E S 7 B T raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, heavily rolling. Soil, dry, stoney, 2nd and 3rd rate. Scattering oak trees. Fair grass. March 21, 1913. W. H. E.

BOOK 2496

Chains March 22, 1913: J.B.W.
 At 8h a.m., l.m.t., I set off $0^{\circ}35'N.$ on the decl. arc; $31^{\circ}47'$
 N. on the lat. arc; and determine a meridian with the solar
 at the cor. of secs. 7, 8, 17 & 18, just described,
 Thence I run,
 N. $89^{\circ}58'E.$, on a random line bet. secs. 8 & 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.88 Intersect N. & S. line 5 lks. S. of cor. of secs. 8, 9, 16 & 17,
~~hereinbefore described~~, whence I run,
 S. $89^{\circ}56'W.$, on a true line bet. secs. 8 & 17.
 Desc. steep.
 1.50 Wash, 20 lks. wide, course SSE., asc.
 12.50 Spur, NNE. & SSW., desc. steep.
 39.94 Set an iron post, 3 ft. long, 1 in. in dia., 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;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 42.50 Wash, 10 lks. wide, course S.
 55.00 Wash, 50 lks. wide, course SSW., asc. grad.
 69.00 Spur, NW. & SE., desc.
 79.88 Cor. of secs. 7, 8, 17 & 18, hereinbefore described.
 Land, rolling.
 Soil, dry, sandy, 2nd and 3rd rate.
 Scattering oak trees. Fair grass.

West, on a true line bet. secs. 7 & 18.
 Desc.
 4.00 Wash, 15 lks. wide, course WSW.
 34.00 Wash, 50 lks. wide, course WNW.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the
 ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor.,
 marked on brass cap,
 $\frac{1}{4}$ S 7 in N. and
 S 18 in S. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 41.00 Asc. steep.
 52.00 Ridge, WNW. & ESE., desc. grad.
 77.68 Intersect E. bdry. of T.19 S., R.17 E. at a point, whence the
 cor. of secs. 12 & 13 bears $S.0^{\circ}16'E.2.63$ chs. dist., which
 recently reestablished by me & described in Book "A"
 Set an iron post, 3 ft. long, 2 ins. in dia., 16 ins. in the
 ground, on bed-rock, in mound of stone, for closing cor. of
 secs. 7 & 18, marked on brass cap,
 C C W. of center;
 T 19 S in N. half;
 S 12 S 13 R 17 E. in W. half;
 S 7 in NE. and
 S 18 R 18 E. in SE. quad.;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, heavily rolling.
 Soil, dry stoney, 3rd. rate.
 No timber. Fair grass.
 At this cor., at noon, I set off $0^{\circ}38\frac{1}{2}'N.$ on the decl. arc, and
 observe the sun on the meridian. The resulting latitude
 is $31^{\circ}47'N.$

J.B.W.
 March, 22, 1913: W.H.E.
 At 8h a.m., l.m.t., I set off $0^{\circ}35'N.$ on the decl. arc; $31^{\circ}47'N.$
 on the lat. arc; and determine a meridian with the solar
 at the cor. of secs. 7, 8, 17 & 18, hereinbefore described,
 Thence I run,
 N. $0^{\circ}3'W.$ bet. secs. 7 & 8.
 Desc.
 13.00 Wash, 15 lks. wide, course SW., asc. grad.
 18.50 Spur, NE. & SW., desc. steep.
 26.00 Gulch, 15 lks. wide, course SW., asc. grad.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the
 ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor.,
 marked on brass cap,
 $\frac{1}{4}$ S 7 in W. and
 S 8 in E. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Chains

42.50 Ridge, WSW. & ENE., desc. steep.
 49.50 Head of gulch, course W., asc. steep.
 58.00 Spur, ENE. & WSW., desc. steep;
 65.00 Gulch, 10 lks. wide, course W., asc. steep.
 67.20 Spur, E. & W., desc. steep.
 73.00 Gulch, 20 lks. wide, course W., asc. grad.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for cor. of secs. 5, 6, 7 & 8, marked on brass cap
 T 19 S R 18 E in N. half;
 S 6 in NW.,
 S 5 in NE.,
 S 8 in SE. and
 S 7 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land, heavily rolling.
 Soil, dry, stoney, 2nd and 3rd rate.
 Scattering oak trees. Sparse grass.

BOOK 2496

40.00 N. 89° 56' E., on a random line bet. secs. 5 & 8.
 Set temp. ¼ sec. cor.
 79.92 Intersect N. & S. line 5 lks. N. of cor. of secs. 4, 5, 8 & 9, ~~heretofore described~~, whence I run,
 S. 89° 58' W., on a true line bet. secs. 5 & 8.
 Desc. along S. slope.
 27.00 Wash, 75 lks. wide, course NNW., asc. steep.
 35.00 Asc. precipitously.
 39.50 Ridge, N. & S.
 39.96 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,
 ¼ S 5 in N. and
 S 8 in S. half;
 raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 Desc. grad.
 56.00 Wash, 10 lks., course WSW., along S. slope.
 79.92 Cor. of secs. 5, 6, 7 & 8, ~~heretofore described~~.
 Land, heavily rolling, broken.
 Soil, dry, stoney, 3rd rate.
 Scattering oak trees. Sparse grass.
 At this cor., at noon, I set off 0° 38½' N. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 31° 48' N.

W.H.E.

J.B.W.

West on a true line bet. secs. 6 & 7.
 Desc. over SW. point of spur.
 6.00 Gulch, 15 lks. wide, course NW.
 16.30 Gulch, 25 lks. wide, course NW. Asc. along N. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground, in mound of stone, on bed-rock, for ¼ sec. cor., marked on brass cap,
 ¼ S 6 in N. and
 S 7 in S. half;
 raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 50.00 Desc. grad.
 77.66 Intersect E. bdry. of T.19 S., R.17 E., at a point, whence the cor. of secs. 1, & 12, bears S. 0° 36' W. 2.30 chs. dist., as recently reestablished by me & described in Book "A"
 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for closing of secs. 6 & 7, marked on brass cap,
 C C W. of center;
 T 19 S in N. half;
 S 1 S 12 R 17 E. in W. half;
 S 6 in NE. and
 S 7 R 18 E in SE. quad.;
 raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
 Land, heavily rolling, rough. Soil, dry, gravelly, 3rd rate.
 Scattering oak trees. Sparse grass.

J.B.W.

Chains

W.H.E.

BOOK 2496

N. 0° 3' W. bet. secs. 5 & 6.
 Asc. grad.
 4.00, Spur, NE, & SW., desc.
 8.00, Gulch, 15 lks. wide, course SW., asc, steep.
 16.50, Ridge, E. & W., desc. steep.
 27.00, Head of gulch, course W., asc. steep.
 40.00, Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground, on bed-rock, in mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S. 6 in W. and
 S 5 in E. half;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 40.50, Desc. over precipitous bluffs.
 46.10, Gulch, 100 lks. wide, course NNW.
 48.00, Asc. precipitously.
 50.00, Asc. grad.
 78.22, Intersect N. bdry. of Tp., at a point, from which the cor. of secs. 31 & 32 of T. 18 S., R. 18 E. bears S. 89° 44' E. 3.10 chs. dist., which is a limestone, 16x9x6 ins. above ground, marked and witnessed as described by the surveyor general.
 Set an iron post, 3 ft. long, 2 ins. in dia., 20 ins. in the ground, on bed-rock, in mound of stone, for closing cor. of secs. 5 & 6, marked on brass cap,
 C C S. of center;
 T. 18 S. R. 18 E. S. 31 S. 32 in N. half;
 S 5 in SE. and
 S 6 in SW. quad.;
 raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.
 Land, heavily rolling, rough, broken.
 Soil, dry, rocky, 3rd. rate,
 Scattering oak trees. Sparse grass.

W.H.E.

General Description.

T. 19 S., R. 18 E. is rolling in the southern portion, very broken, rough, mountainous, in the NE., broken and hilly in the western portion.
 The mountainous portion is fairly well timbered in places. Small springs and streams are found in several of the larger gulches in the northern portion.
 The greater portion of the mountainous section is of a gneiss or broken schistose formation, trending into a schistose granite conglomerate.
 The south central portion is of a fine sandy loam, with some clay underlying in places,
 The following settlers are located in the Tp., and have made substantial improvements, such as dwelling houses, corrals, fences etc. E. Sonita in sec. 25, Geo. Clark in sec. 27, E. C. Tolman and W. B. Wagfield in sec. 28, L. A. Pinkstaff and W. Stutsman and S. M. Miller in sec. 32, H. L. Hooker, M. C. Stutsman, S. J. Block and C. L. Woods in sec. 33, T. A. DeBoer in sec. 34 and J. S. Hamlet in sec. 35.

Jose B. Wright
William C. Elliott

March 22, 1913.

U. S. Surveyors.

For **CERTIFICATE OF ASSISTANTS.**

BOOK 2496

See Book "C."

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 _____

of the _____ Meridian, in the State of _____ which are represented in the foregoing field notes as having been executed by him, and under his direction; and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	

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

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BOOK 2496

For

FINAL OATH OF UNITED STATES SURVEYOR.

See Book "C"

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, Ariz., *Jan. 26*, 1914.

The foregoing field notes of the survey of _____
Subdivision lines of Township 19 South, Range 18 East,
of the Gila and Salt River Base and Meridian, Arizona,

executed by Jesse B. Wright and William H. Elliott, U.S. Surveyors,
their supplemental
under ~~his special~~ instructions dated January 13, 1913, 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. Lyall
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.~~