

2497

see book 2911 for Closings on Baca Flat N. 3.

JUN 20 1913

FIELD NOTES

BOOK 2497

OF THE SURVEY OF THE

Partial Subdivision of T. 23 S., R. 15 E.

Of the Gila and Salt River Base and Meridian,

Arizona,

In the State of

EXECUTED BY

Jesse B. Wright,

and

William H. Elliott,

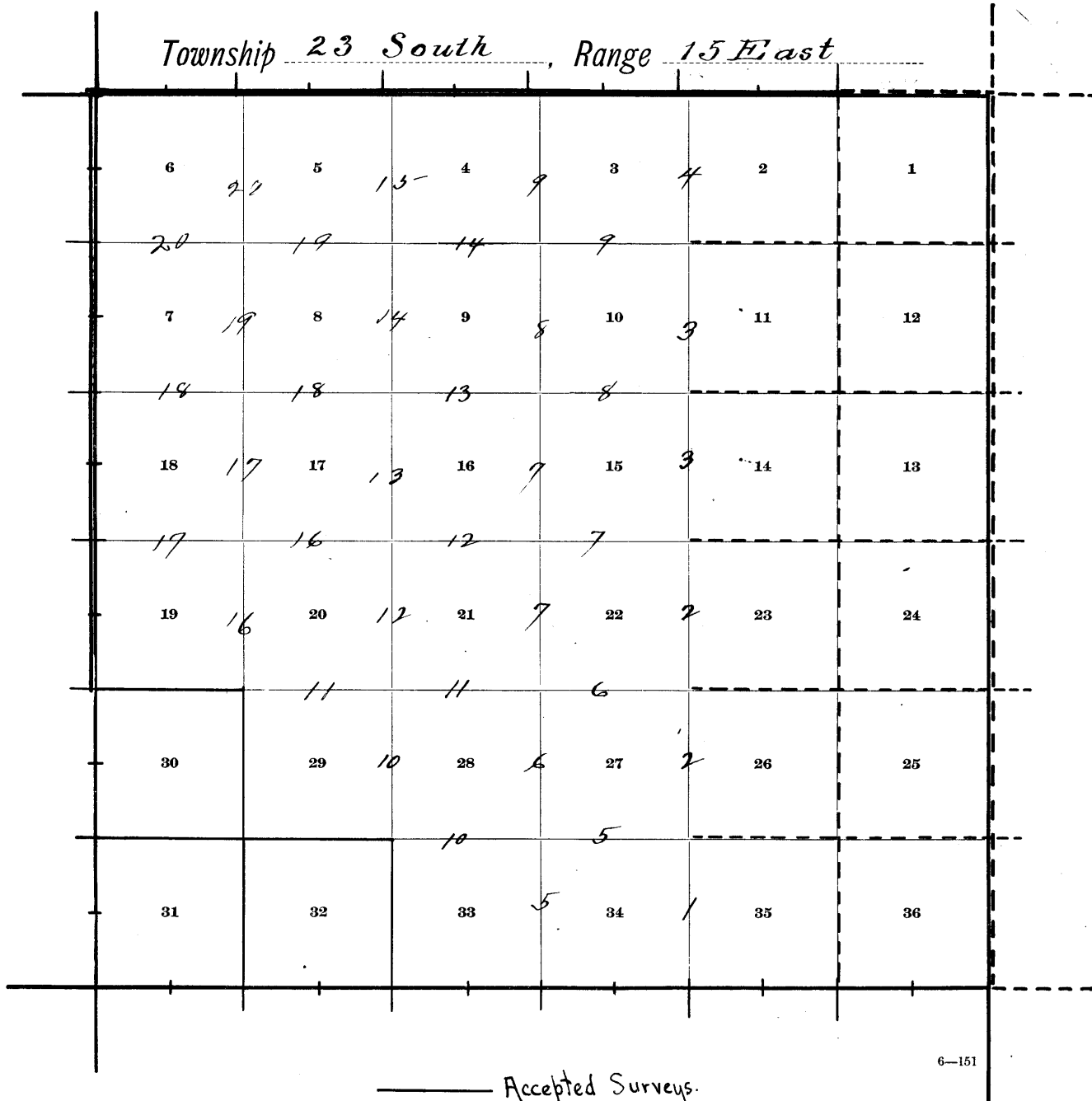
In the capacity of U. S. Surveyors, under ^{supplemental} instructions dated March 10, 1913,
issued by the United States Surveyor General to govern surveys included in
Group No. 17, which were approved by the Commissioner of the General Land
Office, Mar. 20, 1913, pursuant to authority contained in the Act of
Congress dated Aug. 24, 1912

Survey commenced March 26, 1913. ~~191~~

Survey completed April 1, 1913. ~~191~~

BOOK 2497 INDEX DIAGRAM.

Township 23 South, Range 15 East



——— Accepted Surveys.
 - - - - - Unsurveyed.
 ——— Book "A"

Chains.

Survey commenced March 26, 1913, and executed jointly by Jesse B. Wright and William H. Elliott, using Young & Son's light mountains 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 the instruments are in correct adjustment, we proceed as follows : -

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

As a preliminary investigation and observations disclose the fact that the East two tiers of sections of this Township lie in a very rough range of mountains, and containing no lands valuable for agricultural purposes, no settlers being located therein, the lands being also mineralized, it is considered advisable to eliminate the said two East tiers of sections from survey.

W.H.E.

Therefore, at 9h a.m., l.m.t., at the cor. of secs. 2, 3, 34 & 35, on the S. bdy. of the Tp., which is a granite stone 12x4x8 ins. above ground, marked and witnessed as described by the Surveyor-General, I set off $2^{\circ}10'N.$ on the decl. arc, and $31^{\circ}22\frac{1}{2}'N.$ on the lat. arc, and determine a meridian with the solar. Thence I run,

N. $0^{\circ}1'W.$, bet. secs. 34 & 35.

Over mts. land, asc. over limestone hills, through greasewood, dense cacti, bear grass.

20.00 Top of ridge, brs. W. & E., desc.

26.00 Wash, 20 lks. wide, course W., asc.

31.00 Spur, brs. WSW. & ENE., desc.

34.00 Gulch, 10 lks. wide, course W., asc.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 34 in W., and
 $\frac{1}{4}$ S 35 in E. half;

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

45.00 Ridge, brs. WSW. & ENE., desc.

52.00 Wash, 20 lks. wide, course W., asc.

Leave limestone, enter granite formation, brs. NE. & SW.

71.00 Ridge, brs. W. & E., desc. steep, few oak trees.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 6 ins. in the ground, on bed-rock, in mound of stone for cor. of secs. 26, 27, 34 & 35, marked on brass cap,

T 23 S R 15 E, in N. half,

S 27 in NW.,

S 26 in NE.,

S 35 in SE., and

S 34 in SW. quad.; from which,

An oak tree 6 ins. diam. brs. N. $60^{\circ}E.$ 60 lks. dist.,
 marked T 23 S R 15 E S 26 B T.

An oak tree 6 ins. diam. brs. S. $6^{\circ}E.$ 65 lks. dist.,
 marked T 23 S R 15 E S 35 B T.

An oak tree 8 ins. diam. brs. S. $36\frac{1}{2}^{\circ}W.$ 59 lks. dist.,
 marked T 23 S R 15 E S 34 B T.

An oak tree 2 ins. diam. brs. N. $44^{\circ}W.$ 70 lks. dist.,
 marked T 23 S R 15 E S 27 B T.

Land, mts., broken, rough.

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

Greasewood, cacti, coarse bear grass, scrub oak, few oak trees.

At this cor., at noon, I set off $2^{\circ}13'N.$ on the decl. arc and observe the sun on the meridian.

The resulting lat. is $31^{\circ}23\frac{1}{2}'N.$

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Chains.

- N. $0^{\circ} 1'$ W., bet. secs. 26 & 27.
Over mts. land, desc. steep.
- 8.00 Wash, 30 lks. wide, course WSW., asc. steep, broken SW. slope.
- 32.00 Precipitous gulch, 50 lks. wide, near head, course WSW., asc. prec.
- 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;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 45.00 Top of W. side of hill on rocky spur, brs. W. & E., desc. steep.
- 53.00 Wash, 40 lks. wide, course WSW., thence along broken W. slope.
- 56.00 Wash, 20 lks. wide, course SW., asc.
- 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 S R 15 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, mts., broken.
Soil, 3rd & 4th rate, gravelly, stony, dry.
Scrub oak, cacti, sparse grass.

- N. $0^{\circ} 1'$ W., bet. secs. 22 & 23.
Over mts. land, asc. grad. along W. slope.
- 8.00 Ridge, brs. W. & E., desc.
- 17.50 Gulch, 30 lks. wide, course W., asc. steep.
- 22.50 Ridge, brs. W. & E., desc. grad.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 22 in W., and
S 23 in E. half;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 48.70 Gulch, 40 lks. wide, course WSW., thence along broken W. slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 14, 15, 22 & 23, marked on brass cap, T 23 S R 15 E, in N. half,
S 15 in NW.,
S 14 in NE.,
S 23 in SE., and
S 22 in SW. quad.; from which,
An oak tree 6 ins. diam. brs. N. $3\frac{1}{2}^{\circ}$ E. 65 lks. dist.,
marked T 23 S R 15 E S 14 B T.
An oak tree 20 ins. diam. brs. S. 57° E. 127 lks. dist.,
marked T 23 S R 15 E S 23 B T.
An oak tree 7 ins. diam. brs. S. 30° W. 62 lks. dist.,
marked T 23 S R 15 E S 22 B T.
An oak tree 6 ins. diam. brs. N. 58° W. 58 lks. dist.,
marked T 23 S R 15 E S 15 B T.
Land, mts., broken.
Soil, 3rd rate, gravelly, dry, stony.
Scrub oak, cacti, sparse grass, few oak trees.
March 26, 1913.

Chains.

March 27, 1913.

At 8h a.m., l.m.t., at the cor. of secs. 14, 15, 22 & 23,
I set off $2^{\circ}33'$ N. on the decl. arc, and $31^{\circ}25'$ N. on
the lat. arc, and determine a meridian with the solar.
Thence I run,

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

Over broken land, desc. grad.

11.00 Gulch, 30 lks. wide, course WSW., thence along broken
land, slopes to 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 15 in W., and
S 14 in E. half; from which,An oak tree 6 ins. diam. brs. N. 61° E. 81 lks. dist.,
marked $\frac{1}{4}$ S 14 B T.A mesquite tree 6 ins. diam. brs. N. $10\frac{1}{2}^{\circ}$ W. 115 lks. dist.,
marked $\frac{1}{4}$ S 15 B T.

72.00 Gulch, 40 lks. wide, course WNW., asc.

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 S R 15 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, broken, mts.

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

Scrub oak, mesquite, cacti, few oak trees, poor grass.

N. $0^{\circ}1'$ W., bet. secs. 10 & 11.Over broken, mts. land, along near foot of main W.
slope of Patagonia Mts.

23.00 Gulch, 50 lks. wide, course WSW., asc. grad.

39.00 Flat spur, brs. W. & E., desc. grad.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap
 $\frac{1}{4}$ S 10 in W., and
S 11 in E. half; from which,An oak tree 6 ins. diam. brs. N. 10° E. 114 lks. dist.,
marked $\frac{1}{4}$ S 11 B T.An oak tree 4 ins. diam. brs. N. 45° W. 145 lks. dist.,
marked $\frac{1}{4}$ S 10 B T.

47.00 Gulch, 25 lks. wide, course W., asc.

52.50 Flat spur, brs. W. & E., desc.

61.00 Gulch, 40 lks. wide, course WNW., asc. grad.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
the ground for cor. of secs. 2, 3, 10 & 11, marked on
brass cap, T 23 S R 15 E, in N. half,
S 3 in NW.,
S 2 in NE.,
S 11 in SE., and
S 10 in SW. quad.; from which,An oak tree 8 ins. diam. brs. N. 36° E. 187 lks. dist.,
marked T 23 S R 15 E S 2 B T.An oak tree 14 ins. diam. brs. S. 15° E. 121 lks. dist.,
marked T 23 S R 15 E S 11 B T.An oak tree 10 ins. diam. brs. S. 83° W. 52 lks. dist.,
marked T 23 S R 15 E S 10 B T.No other bearings available, raise a mound of stone
2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits imprac.

Land, mts., broken.

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

Scrub oak, few oak trees, cacti, fair grass.

At this cor, at noon, I set off $2^{\circ}36'$ N. on the decl.
arc, and observe the sun on the meridian.The resulting lat. is $31^{\circ}26\frac{1}{2}'$ N.

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Chains.

N. $0^{\circ} 1'$ W., bet. secs. 2 & 3.
 Over mts. land, along broken W. slope, desc. grad.
 7.25 Wash, 20 lks. wide, course WNW.
 26.00 Gulch, 30 lks. wide, course WSW. , asc.
 36.00 Flat ridge, brs. WNW. & ESE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 3 in W., and
 S 2 in E. half; from which,
 An oak tree 10 ins. diam. brs. N. 1° W. 153 lks. dist.,
 marked $\frac{1}{4}$ S 3 B T.
 An oak tree 14 ins. diam. brs. S, 88° E. 130 lks. dist.,
 marked $\frac{1}{4}$ S 2 B T.
 42.00 Desc. grad. NE. slope.
 90.00 Wash, 50 lks. wide, course WNW. , turns to WSW.
 Asc.
 108.00 Ridge, brs. WNW. & ESE. , main divide from Patagonia mts.
 on the East, extends far to the West.
 Desc. steep wooded N. slope.
 118.10 Intersect S. bdy. of T. 22 S., R. 15 E., whence
 Cor. of secs. 34 & 35, brs. West, 5.34 chs. dist.,
 recently re-established by J. B. Wright, & described in Book "A",
 Falling being out of limits,
 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for closing cor. of secs. 2 & 3, marked on
 brass cap, C C, S. of centre,
 T 22 S, S 34, S 35, in N.,
 T 23 S in S., and
 R 15 E, in W. half,
 S 2 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.
 No trees in limits, pits impracticable.
 Land, broken, mts.
 Soil, 3rd rate, gravelly, dry, stony.
 Scrub oak, cacti, few oak trees, fair grass.

March 27, 1913.

W. H. E.

Chains.

March 28, 1913. J. B. W.
 At 8h a.m., l.m.t., at the cor. of secs. 3, 4, 33 & 34,
 on the S. bdy. of the Tp., which is a granite stone
 18x8x6 ins. above ground, marked and witnessed as
 described by the Surveyor General,
 I set off, $2^{\circ}56\frac{1}{2}'$ N. on the decl. arc, and $31^{\circ}22\frac{1}{2}'$ N. on
 the lat. arc, and determine a meridian with the solar.
 Thence I run,
 N. $0^{\circ}2'$ W., bet. secs. 33 & 34.
 Over heavily rolling, broken land.

1.80 Old road, brs. E. & W.
 3.80 Wash, 2 chs. wide, course W.
 17.00 Wash, 30 lks. wide, course WSW.
 18.00 Enter Gulch, 30 lks. wide, course SSW., from N.
 38.00 Leave gulch, from NNE. to S., asc. grad. along E. slope.
 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;
 raise a mound of stone 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. 27, 28, 33 & 34, marked on
 brass cap, T 23 S R 15 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, $\frac{1}{2}$ ft. high W. of cor.
 Land, broken, heavily rolling.
 Soil, 3rd rate, gravelly, dry.
 Sage brush, greasewood, scrub mesquite, cacti, sparse grass.

East, on a random line, bet. secs. 27 & 34.

40.00 Set temp. $\frac{1}{4}$ sec. cor. ~~at this cor.~~
 79.60 Intersect N. & S. line 23 lks. N. of cor. of
 secs. 26, 27, 34 & 35, ~~hereinbefore described~~, whence I run,
 N. $89^{\circ}50'$ W., on a true line, bet. secs. 27 & 34.
 Over heavily rolling, broken land, desc.

14.00 Gulch, 35 lks. wide, course WSW., asc.
 25.00 Spur, brs. SW. & NE., desc.
 39.80 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;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

43.50 Gulch, 20 lks. wide, course SSW., asc.
 49.00 Spur, brs. SSW. & NNE., desc.
 60.00 Gulch, 20 lks. wide, course S., asc.
 70.00 Spur, brs. S., desc.
 77.00 Gulch, 30 lks. wide, course S., asc.
 79.60 To cor. of secs. 27, 28, 33 & 34, ~~hereinbefore described~~.
 Land, broken,
 Soil, 3rd rate, gravelly, dry.
 Scrub mesquite, greasewood, cacti, sparse grass.
 At this cor., at noon, I set off 3° N. on the decl. arc,
 and observe the sun on the meridian.
 The resulting lat. is $31^{\circ}23\frac{1}{2}'$ N.

Chains.

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N. $0^{\circ} 2'$ W., bet. secs. 27 & 28.
 Over mts. land, asc. grad. along ESE. slope.
 10.00 Spur, brs. SSW. & NNE., desc.
 15.00 Gulch, 20 lks. wide, course SW., asc.
 20.00 Ridge, brs. WSW. & ENE., desc.
 28.50 Wash, 30 lks. wide, course W., asc.
 30.00 Old road, brs. E. & W.
 39.00 Spur, brs. WSW. & ENE., 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 28 in W., and
 S 27 in E. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 44.00 Gulch, 10 lks. wide, course SW., asc.
 51.00 Ridge, brs. W. & E., desc.
 57.00 Gulch, 40 lks. wide, course W., asc.
 67.00 Spur, brs. SW. & NE., desc.
 73.00 Gulch, 20 lks. wide, course SW., asc.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 21, 22, 27 & 28, marked on
 brass cap, T 23 S R 15 E, in N. half,
 S 21 in NW.,
 S 22 in NE.,
 S 27 in SE., and
 S 28 in SW. quad.;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, rolling, mts., broken.
 Soil, 3rd rate, stony, gravelly, dry.
 Scrub oak, cacti, fair grass.

S. $89^{\circ} 50'$ E., on a random line, bet. secs. 22 & 27.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.64 Intersect N. & S. line 26 lks. N. of cor. of
 secs. 22, 23, 26 & 27, ~~hereinbefore described~~, whence I run,
 N. $89^{\circ} 39'$ W. on a true line, bet. secs. 22 & 27.
 Over mts. land, asc. steep.
 3.00 Desc. steep NW. slope.
 32.50 Wash, 40 lks. wide, course WSW., asc.
 39.82 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 N., and
 S 27 in S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 An oak tree 8 ins. diam. brs. S. 15° E. 107 lks. dist.,
 marked $\frac{1}{4}$ S 22 B T.
 44.00 Spur, brs. SSW. & NNE., desc.
 47.00 Gulch, 15 lks. wide, course SSW., asc.
 50.00 Spur, brs. SSW. & NNE., desc.
 54.00 Gulch, 20 lks. wide, course S., asc.
 58.00 Spur, brs. S. & N., desc.
 64.00 Gulch, 20 lks. wide, course SSW., asc.
 70.00 Spur, brs. SSW. & NNE., desc.
 77.00 Gulch, 20 lks. wide, course SSW., asc. steep.
 79.64 To cor. of secs. 21, 22, 27 & 28, ~~hereinbefore described~~.
 Land, mts., very broken.
 Soil, 3rd rate, gravelly, stony, dry.
 Sparse scrub oak, cacti, fair grass.

March 28, 1913.

Chains.

- March 29, 1913. (hereinbefore described) BOOK 2497
 At 8h a.m., l.m.t., at the cor. of secs. 21, 22, 27 & 28,
 I set off $3^{\circ}20'$ N. on the decl. arc, and $31^{\circ}24'$ N. on
 the lat. arc, and determine a meridian with the solar.
 thence I run,
 N. $0^{\circ}2'$ W., bet. secs. 21 & 22.
 Over broken, rolling land, asc. grad.
 17.30 Ridge, brs. WSW. & ENE., desc. steep.
 33.20 Gulch, 50 lks. wide, course W., asc. steep.
 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 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.
 45.20 Spur, brs. W. & E., desc. along spur to N.
 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 S R 15 E, in N. half,
 S 16 in NW.,
 S 15 in NE.,
 S 22 in SE., and
 S 21 in SW. quad.;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, rolling, broken.
 Soil, 3rd rate, gravelly, dry.
 Sparse scrub oak, greasewood, cacti, fair grass.
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- S. $89^{\circ}39'$ E., on a random line, bet. secs. 15 & 22.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect N. & S. line 26 lks. S. of cor. of
 secs. 14, 15, 22 & 23, ~~hereinbefore described~~, whence I run,
 N. $89^{\circ}50'$ W., on a true line, bet. secs. 15 & 22.
 Over heavily rolling land, desc. grad. on ridge.
 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 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.
 43.00 Gulch, 30 lks. wide, course SW., asc.
 61.00 Spur, brs. SW. & NE., desc. grad.
 75.00 Gulch, 40 lks. wide, course NW., asc.
 79.90 To cor. of secs. 15, 16, 21 & 22, ~~hereinbefore described~~.
 Land, mts., rolling.
 Soil, 3rd rate, gravelly, dry.
 Sparse scrub oak, few oak trees, cacti, fair grass.
 At this cor., at noon, I set off $3^{\circ}23'$ N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is $31^{\circ}25'$ N.
-
- N. $0^{\circ}2'$ W., bet. secs. 15 & 16.
 Along E. slope of spur to N., desc.
 12.50 Gulch, 25 lks. wide, course WNW., asc.
 32.50 Ridge, brs. W. & E., desc. steep.
 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,
 An oak tree 4 ins. diam. brs. N. 60° E. 18 lks. dist.,
 marked $\frac{1}{4}$ S 15 B T.
 An mesquite tree 20 ins. diam. brs. N. 60° W. 52 lks. dist.,
 marked $\frac{1}{4}$ S 16 B T.
 41.00 Gulch, 30 lks. wide, course W., asc. steep.
 45.00 Low spur, brs. W., from ridge to NE., desc.
 49.50 Gulch, 50 lks. wide, course WSW., asc.
 67.50 Rocky ridge, brs. WSW. & E., desc.
 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 S R 15 E, in N. half,
 S 9 in NW.,
 S 10 in NE.,
 S 15 in SE., and
 S 16 in SW. quad.; from which,

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- A mesquite tree 5 ins.diam.brs. N.38 $\frac{1}{2}$ °E. 72 lks. dist., marked T 23 S R 15 E S 10 B T.
- An oak tree 20 ins. diam.brs. S.22°E. 165 lks. dist., marked T 23 S R 15 E S 15 B T.
- A mesquite tree 12 ins.diam.brs. S.44°W. 100 lks. dist., marked T 23 S R 15 E S 16 B T.
- A mesquite tree 5 ins.diam.brs. N.15°W. 90 lks. dist., marked T 23 S R 15 E S 9 B T.

Land, broken, rolling.
 Soil, 3rd rate, gravelly, dry.
 Scrub oak, mesquite, cacti, few oak trees, fair grass.

- 40.00 S. 89°50' E., on a random line, bet. secs. 10 & 15.
 - 79.88 Set temp. $\frac{1}{4}$ sec. cor.
 - Intersect N. & S. line 9 lks. S. of cor. of secs. 10,11,14 & 15, ~~hereinbefore described~~, whence I run, N. 89°54' W. on a true line, bet. secs. 10 & 15.
 - Over heavily rolling, land, desc.
 - 10.00 Gulch, 8 lks. wide, course NW., asc.
 - 25.00 Flat spur, brs. WNW. & ESE., desc. grad.
 - 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 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., from which,
 - An oak tree 10 ins.diam.brs. N.66 $\frac{1}{2}$ °E. 101 lks. dist., marked $\frac{1}{4}$ S 10 B T.
 - An oak tree 6 ins.diam.brs. S.52 $\frac{1}{2}$ °E. 25 lks. dist., marked $\frac{1}{4}$ S 15 B T.
 - 45.50 Bend of gulch, ~~30 lks. wide~~, from SE. to WNW.
 - 52.00 Same Gulch, course WSW.
 - 57.00 Same gulch, course WNW.
 - 66.00 Mining shaft 5 chs. to N.
 - 79.88 To cor. of secs. 9,10,15 & 16, ~~hereinbefore described~~.
- Land, broken, rolling.
 Soil, 3rd rate, gravelly, dry, stony.
 Scrub oak, mesquite, few oak trees, fair grass.

March 29, 1913. J. B. W.

W.H.E.

- March 31, 1913. ~~hereinbefore described~~
- At 8h a.m., 1 p.m., at the cor. of secs. 9,10,15 & 16,
- I set off 4°6' N. on the decl. arc, and 31°26' N. on the lat. arc, and determine a meridian with the solar.
- Thence I run,
- N. 0° 2' W., bet. secs. 9 & 10.
- Over broken land, desc. grad.
- 2.00 Wash, 70 lks. wide, course WSW.
- 6.00 Gulch, 20 lks. wide, course WSW., asc. grad.
- 24.00 Ridge, brs. W. & E., desc.
- 26.00 Mining shaft 5 chs. to W.
- 32.00 Gulch, 20 lks. wide, course W., asc.
- 32.75 Road, brs. W. & E.,
- 39.00 SW. end of spur, from NE., 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 9 in W., and S 10 in E. half; from which,
- An oak tree 5 ins.diam.brs. N.30°E. 45 lks. dist., marked $\frac{1}{4}$ S 10 B T.
- An oak tree 10 ins.diam.brs. N.39 $\frac{1}{2}$ °W. 165 lks. dist., marked $\frac{1}{4}$ S 9 B T.
- 43.85 Gulch, 20 lks. wide, course WSW., asc.
- 67.00 Ridge, brs. ENE. & WSW., desc.
- 77.80 Gulch, 50 lks. wide, course WSW., asc.
- 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 S R 15 E, in N. half,
- S 4 in NW.,
- S 3 in NE.,
- S 10 in SE., and
- S 9 in SW. quad.;

Chains.

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

An oak tree 12 ins. diam. brs. S. 80° W. 174 lks. dist., marked T 23 S R 15 E S 9 B T.

No other bearings available, pits impracticable.

Land, rolling, broken.

Soil, 3rd rate, gravelly, dry.

Scrub oak, cacti, few oak trees, fair grass.

S. $89^{\circ}54'$ E., on a random line, bet. secs. 3 & 10.

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

79.92 Intersect N. & S. line 5 lks. S. of cor. of secs. 2, 3, 10 & 11, ~~herebefore described~~, whence I run,

N. $89^{\circ}56'$ W., on a true line, bet. secs. 3 & 10.

Over heavily rolling, broken land, desc.

20.00 Wash, 30 lks. wide, course WNW., desc. grad. along brushy N. slope.

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 3 in N., and

S 10 in S. half; from which,

An oak tree 4 ins. diam. brs. S. 42° W. 28 lks. dist., marked $\frac{1}{4}$ S 10 B T.

An oak tree 12 ins. diam. brs. N. 89° E. 188 lks. dist., marked $\frac{1}{4}$ S 3 B T.

72.50 Wash, 50 lks. wide, course WSW., asc. grad.

79.92 To cor. of secs. 3, 4, 9 & 10, ~~herebefore described~~.

Land, mts., broken, rolling.

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

Scrub oak, mesquite, few oak trees, fair grass.

At this cor., at noon, I set off $4^{\circ}9\frac{1}{2}'$ N. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is $31^{\circ}26\frac{1}{2}'$ N.

N. $0^{\circ}2'$ W., bet. secs. 3 & 4.

Over heavily rolling, broken land, asc.

15.40 Ridge, brs. SW. & ENE., desc.

23.50 Wash, 40 lks. wide, course WSW.

37.00 Wash, 40 lks. wide, course W., asc.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ 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.

68.00 Ridge, brs. WSW. & ENE., desc.

90.00 Gulch, 50 lks. wide, course SW., asc.

115.00 Dividing ridge, brs. W. & E., desc.

117.92 Intersect S. bdy. of T. 22 S., R. 15 E., whence

Cor. of secs. 33 & 34 brs. N. $89^{\circ}52'$ W. 4.30 chs. dist.,

recently re-established by J. B. Wright, & described in Book "A"

Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 3 & 4, marked on

brass cap, C C, S. of centre,

T 22 S, S 33, S 34, in N.,

T 23 S, in S., and

R 15 E, in W. half;

S 3 in SE., and

S 4 in SW. quad.;

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

No trees in limits, pits impracticable.

Land, rolling, mts.

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

Scrub oak, greasewood, mesquite, cacti, few oak trees, fair grass.

March 31, 1913.

Chains.

BOOK 2497

March 28, 1913.
 At 8h a.m., l.m.t., at the cor. of secs. 28, 29, 32 & 33,
 which is a granite stone 12x8x6 ins. above ground,
 marked and witnessed as described by the Surveyor-
 General,
 I set off $2^{\circ}56\frac{1}{2}'$ N. on the decl. arc, and $31^{\circ}23\frac{1}{2}'$ N. on
 the lat. arc, and determine a meridian with the solar.
 Thence I run,
 East, on a random line, bet. secs. 28 & 33.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.70 Intersect N. & S. line 49 lks. S. of cor. of
 secs. 27, 28, 33 & 34, whence I run,
 S. $89^{\circ}39'$ W., on a true line, bet. secs. 28 & 33.
 Over broken mts. & lands.
 3.50 Spur, brs. S. & N., desc.
 15.50 Gulch, 30 lks. wide, course SW., asc. steep.
 17.00 Spur, brs. SSW. & NNE., desc.
 20.00 Gulch, 20 lks. wide, course SSW., asc.
 27.50 Spur, brs. SSW. & NNE., desc.
 31.50 Gulch, 30 lks. wide, course SSW., asc.
 39.00 Spur, brs. SSW. & NNE., desc.
 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 28 in N., and
 S 33 in S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 42.50 Head of gulch, course S., asc.
 45.00 Spur, brs. S. & N., desc. grad.
 70.00 Gulch, 35 lks. wide, course SW., asc.
 79.70 To cor. of secs. 28, 29, 32 & 33, ~~hereinbefore~~ described.
 Land, broken, mts.
 Soil, 3rd rate, stony, gravelly, dry.
 Scrub oak, greasewood, cacti, fair grass.

N. $0^{\circ}2'$ W., bet. secs. 28 & 29.
 Over mts., broken land, asc.
 15.00 Ridge, brs. W. & E., desc.
 25.00 Gulch, 30 lks. wide, course W., asc. steep.
 35.00 Top of W. end of spur, brs. W. & E., desc. steep.
 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.
 45.00 Enter draw, course WSW.
 47.00 Wash, 70 lks. wide, course WSW.
 51.00 Road, brs. E. & W.
 64.00 Wash, 50 lks. wide, course SW.
 65.00 Leave draw, asc.
 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 S R 15 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, broken, rolling, mts.
 Soil, 3rd rate, stony, gravelly, dry, loose.
 Scrub oak, greasewood, mesquite, fair grass, cacti.
 At this cor., at noon, I set off 3° N. on the decl. arc,
 and observe the sun on the meridian.
 The resulting lat. is $31^{\circ}24'$ N.

Chains.	
	N. 89°39' E. on a random line, bet. secs. 21 & 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect N. & S. line 14 lks. N. of cor. of secs. 21, 22, 27 & 28, hereinbefore described , whence I run, S. 89°45' W., on a true line, bet. secs. 21 & 28. Over broken, rolling land, desc.
8.00	Gulch, 20 lks. wide, course SW., asc. steep.
16.00	Spur, brs. SSW. & NNE., desc.
20.00	Gulch, 30 lks. wide, course S., asc.
24.50	Spur, brs. S. & N., desc.
30.00	Gulch, 30 lks. wide, course S., asc.
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 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.
45.00	Ridge, brs. WSW. & ENE., desc. steep.
50.00	Wash, 50 lks. wide, course WSW., asc.
79.80	To cor. of secs. 20, 21, 28 & 29, hereinbefore described . Land, broken, mts., rolling. Soil, 3rd rate, stony, gravelly, dry. Scrub oak, cacti, mesquite, fair grass.
From the cor. of secs. 19, 20, 29 & 30, which is a granite stone 12x8x6 ins. above ground, marked and witnessed as described by the Surveyor General, I run, East, on a random line, bet. secs. 20 & 29.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. & S. line 23 lks. S. of cor. of secs. 20, 21, 28 & 29, hereinbefore described , whence I run, S. 89°50' W., on a true line, bet. secs. 20 & 29. Over broken, heavily rolling land, asc.
2.00	Spur, brs. SW. & NE., desc.
9.00	Gulch, 20 lks. wide, course SSW., asc. steep.
15.00	Spur, brs. S. & N., desc. steep.
20.00	Gulch, 20 lks. wide, course S., asc. steep.
29.00	Spur, brs. S. & N., desc. steep.
35.00	Gulch, 30 lks. wide, course SSW., asc.
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 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.
65.00	Ridge, brs. SW. & NE., desc.
75.00	Gulch, 40 lks. wide, course SW., asc.
79.98	To cor. of secs. 19, 20, 29 & 30, hereinbefore described . Land, broken, rolling, mts. Soil, 3rd rate, stony, gravelly, dry. Sparse scrub oak, mesquite, cacti, fair grass. March 28, 1913.

BOOK 2497

Chains.

BOOK 2497

March 29, 1913. (hereinbefore described)
 At 8h a.m., l.m.t., at the cor. of secs. 20, 21, 28 & 29,
 I set off $3^{\circ}20'$ N. on the decl. arc, and $31^{\circ}24'$ N. on
 the lat. arc, and determine a meridian with the solar.
 Thence I run,
 N. $0^{\circ}2'$ W., bet. secs. 20 & 21.
 Over broken, heavily rolling land, asc. along E. side
 of spur.
 22.00 Ridge, brs. W. & E., desc. steep.
 36.00 Wash, 60 lks. wide, course WNW., asc. steep.
 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
 $\frac{1}{4}$ S 21 in E. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 49.00 Ridge, brs. W. & E., desc.
 68.00 Desc. pred. bluff, 60 ft. high, brs. E. & W.
 68.50 Foot.
 69.50 Wash, 50 lks. wide, course WNW., thence in draw.
 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 S R 15 E, in N. half,
 $\frac{1}{4}$ S 17 in NW.,
 $\frac{1}{4}$ S 16 in NE.,
 $\frac{1}{4}$ S 21 in SE., and
 $\frac{1}{4}$ S 20 in SW. quad.;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.,
 from which,
 A mesquite tree 6 ins. diam. brs. N. 60° E. 9 lks. dist.,
 marked T 23 S R 15 E S 16 B T.
 A mesquite tree 8 ins. diam. brs. S. 7° E. 171 lks. dist.,
 marked T 23 S R 15 E S 21 B T.
 A mesquite tree 7 ins. diam. brs. S. 11° W. 51 lks. dist.,
 marked T 23 S R 15 E S 20 B T.
 A mesquite tree 12 ins. diam. brs. N. 70° W. 92 lks. dist.,
 marked T 23 S R 15 E S 17 B T.
 Land, broken, mts. Soil, 3rd rate, gravelly, dry.
 Mesquite, willow, scrub oak, fair grass, cacti.

N. $89^{\circ}45'$ E., on a random line, bet. secs. 16 & 21.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.84 Intersect N. & S. line 12 lks. N. of cor. of
 secs. 15, 16, 21 & 22, ~~hereinbefore described~~, whence I run,
 S. $89^{\circ}50'$ W., on a true line, bet. secs. 16 & 21.
 Over mts., broken land, asc. grad.
 1.10 Top of low N. side of hill, brs. N. & S., desc.
 7.00 Gulch, 20 lks. wide, course N., asc.
 14.00 Spur, brs. N. & S., desc.
 20.00 Gulch, 20 lks. wide, course NNE., asc.
 28.00 Top of butte, on ridge, brs. NNE. & SSW., desc.
 39.92 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 N., and
 $\frac{1}{4}$ S 21 in S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 49.00 Gulch, 30 lks. wide, course N., asc.
 66.00 NW. point of spur, brs. NW. & SE., desc.
 70.80 Gulch, 80 lks. wide, course SW., asc. grad.
 79.84 To cor. of secs. 16, 17, 20 & 21, ~~hereinbefore described~~.
 Land, broken, mts., rolling.
 Soil, 3rd rate, gravelly, dry.
 Scrub oak, mesquite, willow, sparse grass.
 At this cor., at noon, I set off $3^{\circ}23'$ N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is $31^{\circ}25'$ N.

Chains.

BOOK 2497

N. $0^{\circ} 2'$ W., bet. secs. 16 & 17.
 Over heavily rolling, broken land, asc. grad.
 25.60 Ridge, brs. WSW. & ENE., desc. steep.
 31.30 Gulch, 20 lks. wide, course W., 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
 S 16 in E. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 44.90 Ridge, brs. WSW. & ENE., desc.
 49.00 Head of draw, course WSW., asc.
 52.00 Spur, brs. WSW. & ENE., desc.
 60.00 Gulch, 20 lks. wide, course W., asc.
 65.00 Ridge, brs. ENE. & WSW., desc. steep.
 77.00 Desc. prec. wooded N. slope.
 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 S R 15 E, in N. half,
 S 8 in NW.,
 S 9 in NE.,
 S 16 in SE., and
 S 17 in SW. quad.; from which,
 A cedar tree 10 ins. diam. brs. N. 70° E. 55 lks. dist.,
 marked T 23 S R 15 E S 9 B T.
 A cedar tree 24 ins. diam. brs. S. 68° E. 40 lks. dist.,
 marked T 23 S R 15 E S 16 B T.
 A cedar tree 10 ins. diam. brs. S. 1° W. 7 lks. dist.,
 marked T 23 S R 15 E S 17 B T.
 A cedar tree 10 ins. diam. brs. N. 50° W. 16 lks. dist.,
 marked T 23 S R 15 E S 8 B T.
 Land, broken, mts., rolling.
 Soil, 3rd rate, gravelly, dry.
 Scrub oak, cedar, mesquite, willow, fair grass.

N. $89^{\circ} 50'$ E., on a random line, bet. secs. 9 & 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect N. & S. line 9 lks. N. of cor. of
 secs. 9, 10, 15 & 16, ~~hereinbefore described~~, whence I run,
 S. $89^{\circ} 54'$ W., on a true line, bet. secs. 9 & 16.
 Over broken land, desc. grad.
 5.00 Bend in wash, 80 lks. wide, from WSW. to WNW., asc.
 24.00 ~~Spur, brs. WNW. & ESE., desc.~~
 27.00 Desc. prec.
 31.00 Enter wash, 100 lks. wide, course WSW.
 39.00 Leave wash to S.
 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 9 in N., and
 S 16 in S. half; from which,
 A mesquite tree 20 ins. diam. brs. S. 9° E. 28 lks. dist.,
 marked $\frac{1}{4}$ S 16 B T.
 An ash tree 4 ins. diam. brs. N. 39° W. 39 lks. dist.,
 marked $\frac{1}{4}$ S 9 B T.
 41.50 Old road, brs. W. & ESE., runs in wash.
 45.00 Wash, 80 lks. wide, course WNW., asc.
 73.00 S. side of ridge, brs. E. & W., spur. to N., desc.
 76.00 Desc. prec. NW. slope, wooded.
 79.80 To cor. of secs. 8, 9, 16 & 17, ~~hereinbefore described~~.
 Land, broken, mts., rolling.
 Soil, 3rd rate, gravelly, dry.
 Few oaks cedars, mesquite, cacti, scrub oak, fair grass.
 March 29, 1913.

Chains.

BOOK 2497

April 1, 1913. (hereinafter described)
 At 7h a.m., l.m.t., at the cor. of secs. 8, 9, 16 & 17,
 I set off $4^{\circ}29\frac{1}{2}'$ N. on the decl. arc, and $31^{\circ}26'$ N. on the
 the lat. arc, and determine a meridian with the solar.
 Thence I run,
 N. $0^{\circ}2'$ W., bet. secs. 8 & 9.
 Over mts., broken land, desc.
 5.00 Wash, 50 lks. wide, ^{course S.W.} asc. grad.
 7.60 Road, brs. NE. & SW., wood road to Mts. to E.
 12.10 Old road, brs. ENE. & WSW.
 22.00 Top of flat spur or ridge, brs. WSW. & ENE., desc.
 26.20 Wash, 30 lks. wide, course 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 8 in W., and
 $\frac{1}{4}$ S 9 in E. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 44.50 Ridge, brs. ENE. & WSW., desc.
 63.50 Gulch, 30 lks. wide, course W., asc.
 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 S R 15 E, in N. half,
 $\frac{1}{4}$ S 5 in NW.,
 $\frac{1}{4}$ S 4 in NE.,
 $\frac{1}{4}$ S 9 in SE., and
 $\frac{1}{4}$ S 8 in SW. quad.; from which,
 An oak tree 6 ins. diam. brs. N. 49° E. 45 lks. dist.,
 marked T 23 S R 15 E S 4 B T.
 An oak tree 8 ins. diam. brs. S. 31° E. 132 lks. dist.,
 marked T 23 S R 15 E S 9 B T.
 An oak tree 10 ins. diam. brs. S. 1° W. 136 lks. dist.,
 marked T 23 S R 15 E S 8 B T.
 An oak tree 12 ins. diam. brs. N. $89\frac{3}{4}^{\circ}$ W. 81 lks. dist.,
 marked T 23 S R 15 E S 5 B T.
 Land, broken, mts., rolling.
 Soil, 3rd rate, stony, gravelly, dry.
 Scrub oak, few oak and cedar trees, cacti, fair grass.

~~hereinafter described~~
 N. $89^{\circ}54'$ E., on a random line, bet. secs. 4 & 9.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. & S. line 7 lks. N. of cor. of
 secs. 3, 4, 9 & 10, ~~hereinafter described~~, whence I run,
 S. $89^{\circ}57'$ W., on a true line, bet. secs. 4 & 9.
 Over heavily rolling, broken land, desc. grad.
 23.00 Wash, 20 lks. wide, course SSW., asc.
 30.00 Ridge, brs. SW. & ENE., desc.
 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 4 in N., and
 $\frac{1}{4}$ S 9 in S. half; from which,
 An oak tree 20 ins. diam. brs. S. 47° W. 45 lks. dist.,
 marked $\frac{1}{4}$ S 9 B T.
 An oak tree 15 ins. diam. brs. N. 51° E. 76 lks. dist.,
 marked $\frac{1}{4}$ S 4 B T.
 48.00 Wash, 30 lks. wide, course S.
 66.70 Wash, 30 lks. wide, course S., asc. grad.
 79.94 To cor. of secs. 4, 5, 8 & 9, ~~hereinafter described~~.
 Land, heavily rolling, broken.
 Soil, 3rd rate, stony, gravelly, dry.
 Few oak and cedar trees, scrub oak, cacti, good grass.
 At this cor., at noon, I set off $4^{\circ}32\frac{1}{2}'$ N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is $31^{\circ}27'$ N.

Chains.

BOOK 2497

N. $0^{\circ} 2'$ W., bet. secs. 4 & 5.
 Over heavily rolling land, asc. grad., through scattering oak.

21.00 Wash, 20 lks. wide, course SW., from E. asc. steep.
 32.50 Ridge, brs. WSW. from E., desc.
 35.00 Wash, 30 lks. wide, course WSW., asc.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ 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.

57.00 Ridge, brs. W. & E., desc. steep.
 63.00 Wash, 40 lks. wide, course SSW.
 75.80 Road, brs. NE. & SW., from Nogales to Patagonia.
 78.00 Wash, 20 lks. wide, course SW., asc. grad.
 111.00 Dividing ridge, brs. WNW. & ESE., desc.
 118.00 Intersect S. bdy. of T. 22 S., R. 15 E., whence cor. of secs. 32 & 33 brs. S $89^{\circ} 58'$ W. 3.31 chs. dist., recently re-established by J. B. Wright, & described in Book "A"
 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 4 & 5, marked on brass cap, C C, S. of centre,
 T 22 S, S 32, S 33, in N.,
 T 23 S, in S., and
 R 15 E, in W. half,
 S 5 in SW., and
 S 4 in SE. quad.;

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.
 No bearings available, pits impracticable.
 Land, broken, heavily rolling.
 Soil, 2nd & 3rd rate, gravelly, sandy, loose, dry.
 Few oak and cedar trees, scrub oak, mesquite, cacti,
 good grass.

April 1, 1913.

W. H. E.

Chains.

J. B. W.

March 31, 1913.

At 8h a.m., l.m.t., at the cor. of secs. 19, 20, 29 & 30, which is a granite stone 12x8x6 ins. above ground, marked and witnessed as described by the Surveyor General,

I set off $4^{\circ}6'$ N. on the decl. arc, and $31^{\circ}24'$ N. on the lat. arc, and determine a meridian with the solar.

Thence I run,

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

Over rolling, broken land.

5.50

Desc. grad.

10.00

Enter draw, course SW.

15.50

Wash, 20 lks. wide, course W.

22.00

Wash, 20 lks. wide, course SW., leave draw, asc. steep.

28.00

Spur, brs. SW. & NE., desc. grad., many small spurs.

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;

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

45.00

Wash, 8 lks. wide, course W., asc. steep.

47.80

W. end of spur, brs. SW. & NE., desc.

51.30

Wash, 30 lks. wide, course SSW., asc.

76.50

Wash, in gulch, 50 lks. wide, course SSE.

As cor. point will fall in wash, at

79.50

Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for witness cor. to cor. of secs. 17, 18, 19 & 20, marked on brass cap,

W C, S. of centre,

T. 23 S R 15 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.

80.00

To cor. point, in wash, 30 lks. wide, course SSW., from ENE.

Land, broken, heavily rolling.

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

Sparse greasewood, cacti, fair grass.

From true point for cor. of secs. 17, 18, 19 & 20, described above, I run, N. $89^{\circ}50'$ E., on a random line, bet. secs. 17 & 20.

40.00

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

80.02

Intersect N. & S. line 12 lks. N. of cor. of secs. 16, 17, 20 & 21, ~~herebefore described~~, whence I run, S. $89^{\circ}55'$ W., on a true line, bet. secs. 17 & 20.

Over heavily rolling, broken land, desc. grad.

33.00

Wash, 30 lks. wide, course NW.

40.02

Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ 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.,

48.00

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

55.00

Top of point, brs. S. & N., from mesa to N., desc.

59.50

Wash, 30 lks. wide, in gulch 80 lks. wide, course W., from ESE.

63.00

Leave wash, runs WNW., asc. steep.

66.00

Top of point, brs. NW. & SE., desc. steep.

70.00

Wash, 50 lks. wide, course SW., asc.

73.50

Low point, brs. S. & N., desc.

76.50

Gulch, 50 lks. wide, course WNW.,

80.00

Same wash or gulch as above, course WSW.

80.02

To cor. point, of secs. 17, 18, 19 & 20, ~~herebefore described~~.

Land, broken. Soil, 3rd rate, gravelly, dry.

Scattering mesquite, greasewood, sage brush, cacti, fair grass.

At this cor., at noon, I set off $4^{\circ}9\frac{1}{2}'$ N. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is $31^{\circ}25'$ N.

Chains.	Description
	From the cor. point ^{of secs. 17, 18, 19 & 20} in wash, I run,
	N. 89°45' W., on a random line, bet. secs. 18 & 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect W. bdy. of Tp. 16 lks. N. of cor. of secs. 13, 18, 19 & 24, as recently re-established by me & described in Book A, whence I run,
	S. 89°52' E., on a true line, bet. secs. 18 & 19. Over broken, heavily rolling land, asc. steep.
4.50	Asc. grad.
17.00	Low flat ridge, brs. SW. & NE., desc. grad.
33.20	Wash, 30 lks. wide, course SW., from NW., asc. grad.
37.50	Over gently rolling, grassy land.
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 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.
75.00	Desc. steep.
78.85	Wash, 30 lks. wide, course SSW., from ENE.
79.90	To cor. point of secs. 17, 18, 19 & 20, hereinbefore described Land, broken. Soil, 3rd rate, stony, gravelly, dry, loose. Scattering mesquite, greasewood, fair grass.
	N. 0° 3' W., bet. secs. 17 & 18. Over heavily rolling, broken land, asc. from cor. point.
1.00	Asc. steep.
5.00	Over heavily rolling mesa, land.
29.50	Wash, 30 lks. wide, course SSW., asc. grad.
35.00	Over mesa.
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; raise a mound of stone 2 ft. base. $1\frac{1}{2}$ ft. high W. of cor.
50.00	Desc. grad.
55.00	Enter dense mesquite, in draw, course SW.
70.65	Road, brs. NE. & SW.
72.50	Enter wash, 4 chs. wide, course SW.
76.50	Leave wash, and draw, asc. grad. leave mesquite, 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 7, 8, 17 & 18, marked on brass cap, T 23 S R 15 E, in N. half, S 7 in NW., S 8 in NE., S 17 in SE., and S 18 in SW. quad.; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, rolling, broken. Soil, 3rd rate, gravelly, dry, stony. Scattering mesquite, cacti, fair grass.

BOOK 2497

Chains.

	N. 89°55' E., on a random line, bet. secs. 8 & 17.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. & S. line 12 lks. N. of cor. of secs. 8, 9, 16 & 17, hereinbefore described , whence I run, West, on a true line, bet. secs. 8 & 17. Over broken, rolling land, asc. grad.
4.20	Spur, brs. NW. & SE., desc. grad.
8.85	Road, brs. NE. & SW.
12.50	Wash, 30 lks. wide, course WSW., thence along S. edge of grassy mesa to N.
29.87	Road, brs. NE. & SW.
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 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.
43.40	Desc. steep.
47.90	Road, brs. NE. & SW.
48.20	Wash, 20 lks. wide, course SW.
60.10	Wash, 30 lks. wide, course SSW.
64.20	Asc. prec.
65.30	Desc. steep.
79.00	Asc.
79.94	To cor. of secs. 7, 8, 17 & 18, hereinbefore described . Land, broken, rolling. Soil, 3rd rate, gravelly, dry, loose. Scattering mesquite, cacti, good native grass. March 31, 1913. J. T. T.
<hr/>	
	April 1, 1913. hereinbefore described
	At 8h a.m., l.m.t., at the cor. of secs. 7, 8, 17 & 18, I set off 4°29 $\frac{1}{2}$ ' N. on the decl. arc, and 31°26' N. on the lat. arc, and determine a meridian with the solar. Thence I run, N. 89°52' W., on a random line, bet. secs. 7 & 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.65	Intersect W. bdy. of Tp. 5 lks. S. of cor. of secs. 7, 12, 13 & 18, as recently re-established by me & described in Book A, whence I run, S. 89°50' E., on a true line, bet. secs. 7 & 18. Over heavily rolling, broken land, desc. grad.
9.00	Wash, 30 lks. wide, course SW., asc. grad.
18.00	Road, brs. NE. & SW. Nogales to Patagonia.
23.50	Wash, 20 lks. wide, course SSW., asc.
28.00	Flat spur, brs. SW. & NE., desc. grad.
38.20	Desc. steep.
40.65	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ 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.
40.80	Wash, 40 lks. wide, course SSW., asc.
48.80	High S. point of hill, brs. SW. & NNE., desc. along S. side of same.
75.00	Wash, 40 lks. wide, course SW., asc.
80.65	To cor. of secs. 7, 8, 17 & 18, hereinbefore described . Land, broken, rolling. Soil, 3rd rate, stony, gravelly, losse, dry. Scattering mesquite, greasewood, fair grass.

Chains.

BOOK 2497

N. $0^{\circ} 3'$ W., bet. secs. 7 & 8.
 Over broken, rolling land, asc. grad.
 2.40 Spur, brs. SW. & NE., desc. steep.
 4.60 Wash, 30 lks. wide, course SW., asc. grad. over broken
 land.
 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,
 An oak tree 14 ins. diam. brs. N. $29\frac{1}{2}^{\circ}$ E. 76 lks. dist.,
 marked $\frac{1}{4}$ S 8 B T.
 An oak tree 6 ins. diam. brs. N. 7° W. 47 lks. dist.,
 marked $\frac{1}{4}$ S 7 B T.
 62.10 Road, brs. NE. & SW. desc. steep.
 65.20 Head of gulch, course SW., asc. steep.
 66.70 Wire fence, brs. NE. & SW., land, very broken.
 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 S R 15 E, in N. half,
 $\frac{1}{4}$ S 6 in NW.,
 $\frac{1}{4}$ S 5 in NE.,
 $\frac{1}{4}$ S 8 in SE., and
 $\frac{1}{4}$ S 7 in SW. quad.;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, broken, heavily rolling.
 Soil, 3rd rate, gravelly, dry.
 Sparse greasewood, mesquite, few oak trees in washes.
 Good grass.

East, on a random line, bet. secs. 5 & 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. & S. line 5 lks. S. of cor. of
 secs. 4, 5, 8 & 9, ~~hereinbefore described~~, whence I run,
 S. $89^{\circ} 58'$ W., on a true line, bet. secs. 5 & 8.
 Over heavily rolling, broken land, scattering oak.
 7.80 Wash, 20 lks. wide, course S.,
 22.50 Wash, 20 lks. wide, course S.
 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,
 An oak tree 8 ins. diam. brs. S. 75° E. 63 lks. dist.,
 marked $\frac{1}{4}$ S 8 B T.
 An oak tree 10 ins. diam. brs. N. 50° W. 119 lks. dist.,
 marked $\frac{1}{4}$ S 5 B T.
 65.10 Road, brs. NNE. & SSW.
 67.80 Wire fence, brs. NNE. & SSW.
 79.90 To cor. of secs. 5, 6, 7 & 8, ~~hereinbefore described~~.
 Land, broken, rolling.
 Soil, 3rd rate, gravelly, sandy, loose, dry.
 Scattering oak, scrub oak, cacti, good grass.
 At this cor., at noon, I set off $4^{\circ} 32\frac{1}{2}'$ N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is $31^{\circ} 27'$ N.

BOOK 2497

Chains.

40.00 N. 89°50' W., on a random line, bet. secs. 6 & 7.
Set temp. $\frac{1}{4}$ sec. cor.

80.80 Intersect W. bdy. of Tp. 12 lks. S. of cor. of
secs. 1, 6, 7 & 12, as recently re-established by me &
described in Book "A", whence I run,
S. 89°45' E., on a true line, bet. secs. 6 & 7.
Over heavily rolling, broken land, desc. grad.

14.00 Wash, 30 lks. wide, course SW., asc. grad.

32.45 Wire fence, brs. N. & S., enter pasture of John R. Sorrels.

40.00 Wash, 30 lks. wide, course SSW., asc. steep.

40.80 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;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

46.60 Long spur, brs. SW. & NE., desc.

66.20 Wash, 30 lks. wide, course SW., asc.

75.00 Spur, brs. SW. & NE., desc. steep.

80.80 To cor. of secs. 5, 6, 7 & 8, hereinbefore described.
Land, heavily rolling.
Soil, 3rd rate, gravelly, dry.
Scrub oak, cacti, good grass.

N. 0° 3' W., bet. secs. 5 & 6.
Over rolling land, asc.

3.00 Spur, brs. SE. & NW., desc.

11.00 Wash, 40 lks. wide, course SW., asc. grad.

21.70 The 39 mile cor. of Baca Float No. 3, Private Land Grant,
brs. East, 7.22 chs. dist., which is an oak tree 14
ins. diam., with markings overgrown, which I expose,
and find marked 39 M on N.,
B F No. 3 on W., and
P L on E. faces, with four oak bearing
trees, properly marked.

35.00 House of John R. Sorrels. brs. S. 63°45' E., about $\frac{1}{2}$ mile
dist., visible from no other point on lines.

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 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.

58.63 Wire fence, brs. E. & W., on ridge, brs. WSW. & ENE.,
desc.

66.00 Wash, 20 lks. wide, course SW.

79.00 Low ridge, brs. NE. & SW., desc.

89.00 Wash, 40 lks. wide, course SW., asc.

117.76 Intersect S. bdy. of T. 23 S., R. 15 E., whence
Cor. of secs. 31 & 32, brs. S 89°50' W. 2.35 chs. dist.,
recently re-established by me, & described in Book "A";
Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
the ground for closing cor. of secs. 5 & 6, marked on
brass cap; C C, S. of centre,
T 22 S, S 31, S 32, in N.,
T 23 S, in S., and
R 15 E, in W. 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.
Soil, 3rd rate, gravelly, dry.
Scrub oak, few oak trees, mesquite, good grass, cacti.

J.B.W.

General Description.

T. 23 S., R. 15 E., as surveyed by us is in general
very broken, or heavily rolling land, covered with a
fair growth of native grass. There is no timber or
living water in the Tp. Considerable, oak, cedar and
mesquite is found in some of the larger draws, and
along the N. slopes of ridges.

John R. Sorrels is located in sec. 5, having good
dwelling, corrals, etc. No other settlers noted.

April 1, 1913.

U. S. Surveyors.

June B. Wright

William H. Elliott

For **CERTIFICATE OF ASSISTANTS.**

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 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.	

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

208 (21)

For FINAL OATH OF UNITED STATES SURVEYOR.

BOOK 2497

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 23 South, Range 15 East,
of the Gila and Salt River Base and Meridian, Arizona,

executed by Jesse B. Wright and William H. Elliott, U.S. Surveyors,
their supplemental instructions dated March 10, 1913, 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 _____
Book "W," has been correctly copied from the original notes on file in this office.~~