

2775

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2775

Book "J"

BOOK 2775

Subdivisions
FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES OF

FRACTIONAL TOWNSHIP L SOUTH RANGE 28 EAST

Of the Gila and Salt River Base and Meridian,

In the State of ARIZONA

EXECUTED BY

WILLIAM B. KIMMEL

In the capacity of U. S. Surveyor, under instructions dated February 18, 1913, issued by the United States Surveyor General to govern surveys included in Group No. 26, which were approved by the Commissioner of the General Land Office, February 28, 1913, pursuant to authority contained in the Act of Congress dated June 23, 1913

Survey commenced March 20, 1914

Survey completed April 3, 1914

Book "J"

BOOK 2775

Blk No. 2775-

INDEX DIAGRAM.

Township 1 South, Range 28 East

White Mountain Indian Reserve Bdy.	37M.	<i>Gila & Salt River Base Line</i>								
		5	30	4	20	3	13	2	7	1
		30		29		20		12		6
	38M.	8	28	9	19	10	12	11	5	12
		28		27		19		12		5
	39M.	17	27	16	18	15	11	14	4	13
		26		25		18		10		4
	40M.	20	25	21	17	22	10	23	3	24
		24		24		16		9		3
	41M.	29	23	28	15	27	8	26	2	25
		22		22		14		8		1
	42M.	32	21	33	14	34	7	35	1	36

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- Notes in Book "A", this Group
- ===== " " " "B" " "
- " " " "C" " "

Subdivision of Frac. Township 1 South, Range 28 East 1B

Chains.

Survey commenced Mar. 20, 1914, and executed with Young and Sons' Light Mountain Transit, No. 8541, with Smith Solar Attachment. For description of instrument, and certificate of approval, see Book "A."

Knowing from recent and repeated tests of my instrument on a meridian established by observations on Polaris at elongation, that it is in correct adjustment, I proceed to the subdivision of fractional Township 1 South, Range 28 East,

From the corner of secs. 1, 2, 35 and 36, on the south bdy. of the Tp., established by me, as described in Book "A." I run,

N. 0° 1' W., bet. secs. 35 and 36.

Through scattering timber and dense undergrowth. Ascend SE. slope, 20 ft. to

4.00 Thence along east slope.

6.00 Descend NE. slope, 295 ft. to

20.00 Enter Sheep Wash, course NW.

20.80 Stream of clear water, 15 lks. wide, 4 ins. deep, course NW.

22.70 Trail, brs. NW and SE. Leave wash; ascend SW. slope, 40 ft. to

28.00 Thence along west slope.

30.00 Descend NW. slope, 15 ft. to

33.75 Wash, course SW. Ascend S. slope, 105 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim, $\frac{1}{4}$ S 35 in W., and S 36 in E. half; from which,

A cedar limb, 7 ins. in diam., brs. N. 5° E., 260 lks. dist., marked $\frac{1}{4}$ S 36 B T.

A cedar, 24 ins. in diam., brs. N. 57 $\frac{1}{2}$ ° W., 104 lks. dist., marked $\frac{1}{4}$ S 35 B T.

41.00 Thence along west slope.

48.00 Descend NW. slope, 40 ft. to

56.50 Wash, course SW. Ascend SE. slope, 115 ft. to

66.00 Thence along broken east slope.

68.00 Wash, course E. Ascend S. slope, 40 ft. to

72.00 Spur ridge, brs. SE. Descend NE. slope, 20 ft. to

75.00 Wash, course SE. Ascend SW. slope, 70 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap,

1913 on S. rim,
 T 1 S R 28 E in N. half;
 S 26 in NW.,
 S 25 in NE.,
 S 36 in SE., and
 S 35 in SW. quadrant; from which,

A cedar, 12 ins. in diam., brs. N. 35° E., 78 lks. dist., marked T 1 S R 28 E S 25 B T.

A cedar, 8 ins. in diam., brs. S. 3° E., 45 lks. dist., marked T 1 S R 28 E S 36 B T.

A pine, 12 ins. in diam., brs. S. 73 $\frac{1}{2}$ ° W., 82 lks. dist., marked T 1 S R 28 E S 35 B T.

A cedar, 8 ins. in diam., brs. N. 72° W., 90 lks. dist., marked T 1 S R 28 E S 26 B T.

Note: At this corner, I set off 0° 15' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 33° 18 $\frac{1}{2}$ ' N.

Land, mountainous and hilly.
 Soil, very rocky, 4th rate.
 Timber, scattering cedar, juniper, oak and pine.
 Undergrowth, scattering scrub oak.
 Mountainous land, 46 chs.

40.00 East, on a random line, bet. secs. 25 and 36.
 Set temp. $\frac{1}{4}$ sec. cor.

2. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

80.18 Intersect the east bdy. of the Tp., 7 lks. north of the corner of secs. 25, 30, 31 and 36, established by me, as described in Book "A."
Thence I run,
N. 89° 57' W., on a true line, bet. secs. 25 and 36. Through scattering timber and undergrowth. Ascend SE. slope, 175 ft. to
8.40 Spur ridge, brs. S. Descend SW. slope, 50 ft. to
14.20 Gulch, course S. Ascend SE. slope, 115 ft.
17.75 Trail, brs. NE and SW.
19.70 Ridge, brs. N. and S. Descend SW. slope, 35 ft. to
24.20 Head of gulch, course SW. Ascend SE. slope, 30 ft. to
28.70 Ridge, brs. NE and SW. Descend NW. slope, 300 ft. to
40.09 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim, $\frac{1}{4}$ S 25 in N., and S 36 in S. half; from which,
A juniper, 6 ins. in diam., brs. S. 56° W., 44 lks. dist., marked $\frac{1}{4}$ S 36 B T.
A juniper, 8 ins. in diam., brs. N. 82° W., 80 lks. dist., marked $\frac{1}{4}$ S 25 B T.
Continue to descend NW. slope.
50.18 Gulch, course SW. Ascend SE. slope, 60 ft. to
60.00 Spur ridge, brs. S. Descend SW. slope, 40 ft. to
62.40 Gulch, course S. Ascend SE. slope, 50 ft. to
64.40 Spur ridge, brs. S. Descend SW. slope, 80 ft. to
69.70 Wash, course S. Ascend SE. slope, 85 ft. to
75.20 Spur ridge, brs. S. Descend SW. slope, 50 ft. to
80.18 The cor. of secs. 25, 26, 35 and 36.
Land, mountainous and hilly.
Soil, rocky, 4th rate.
Timber, scattering juniper, cedar, oak and pine.
Undergrowth, scattering scrub oak and cacti.
Mountainous land, 60 chs.

N. 0° 1' W., bet. secs. 25 and 26.
Through scattering timber and dense undergrowth. Ascend SW. slope, 230 ft. to
12.00 Ridge, brs. E. and W. Descend NW. slope, 145 ft. to
22.75 Gulch, course W. Ascend SW. slope, 160 ft. to
34.00 Ridge, brs. E. and W. Descend N. slope, 340 ft. to
39.30 Wash, course NW. Ascend slight SW. 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, 1913 on S. rim, $\frac{1}{4}$ S 26 in W., and S 25 in E. half; from which,
A pine, 12 ins. in diam., brs. N. 50° E., 20 lks. dist., marked $\frac{1}{4}$ S 25 B T.
A pine, 6 ins. in diam., brs. N. 35° W., 9 lks. dist., marked $\frac{1}{4}$ S 26 B T.
41.00 Spur ridge, brs. NW. Continue to descend north slope.
49.50 Canyon, course W. Ascend SE. slope, 310 ft. to
78.00 Ridge, brs. E. and W. Descend N. slope.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap, 1913 on S. rim, T 1 S R 28 E in N. half; S 23 in NW., S 24 in NE., S 25 in SE., and S 26 in SW. quadrant; from which,
A juniper, 28 ins. in diam., brs. N. 47° E., 235 lks. dist., marked T 1 S R 28 E S 24 B T?
A juniper, 12 ins. in diam., brs. N. 34 $\frac{1}{2}$ ° W., 201 lks. dist., marked T 1 S R 28 E S 23 B T.
No other trees within limits.

Subdivision of frac. Township 1 South, Range 28 East. 3.

Chains.

Raise a mound of stone, 2 ft. base, 1½ ft. high, west of corner. Pits impracticable.
 Land, hilly and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering juniper, oak and pine.
 Undergrowth, scattering scrub oak and cacti.
 Mountainous land, 64 chs,
 Mar. 20, 1914.

March 21, 1914: At 7h. 50m. a.m., l.m.t., I set off 33° 19' N. on the lat. arc; 0° 5½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26.

40.00 Thence I run, S. 89° 57' E., on a random line, bet. secs. 24 and 25.
 80.15 Set temp. ¼ sec. cor.
 80.15 Intersect the east bdy. of the Tp., 12 lks. south of the cor. of secs. 19, 24, 25 and 30, established by me, as described in Book "A."
 Thence I run, S. 89° 58' W., on a true line, bet. secs. 24 and 25.
 4.15 Descend SW. slope, 65 ft.
 10.00 Wash, course S. Ascend SE. slope, 115 ft. to
 20.00 Thence along south slope.
 27.00 Descend west slope, 150 ft. to
 36.15 Gulch, course S. Ascend east slope, 130 ft. to
 40.075 Thence along ridge, brs. E and W.
 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, 1913 on S rim, ¼ S 24 in N., and S 25 in S. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of corner. Pits impracticable.
 50.00 Leave ridge; descend very slight NW. slope.
 80.15 The cor. of secs. 23, 24, 25 and 26.
 Land, rolling, hilly and mountainous.
 Soil, rocky, 4th rate.
 No timber or undergrowth.
 Mountainous land, 20 chs.

N. 0° 1' W., bet. secs. 23 and 24.
 5.50 Descend N. slope, 150 ft. to
 18.30 Canyon, course W. Ascend S. slope, 200 ft. to
 Wagon road on ridge, brs. E and W.
 35.00 Descend N. slope, 235 ft. to
 Canyon, course W. Ascend S. slope, 95 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, 1913 on S rim, ¼ S 23 in W., and S 24 in E half; and raise a mound of stone, 2 ft. base, 1½ ft. high, west of cor. Pits impracticable.
 50.00 Ascend south slope, 115 ft. to
 Spur ridge, brs. SW. Descend NW. slope, 10 ft. to
 52.00 Wash, course SW. Ascend SW. slope, 110 ft. to
 64.00 Thence along west slope.
 72.00 Descend N. slope, 55 ft. to
 76.00 Wash, course west. Ascend S. slope, 55 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap, 1913 on S rim, T 1 S R 28E in N. half;

4. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

S 14 in NW.,
S 13 in NE.,
S 24 in SE., and
S 23 in SW. quadrant;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
of corner. Pits impracticable.
Note: At this corner, I set off $0^{\circ}9'$ N. on the decl. arc;
and at apparent noon, I observe the sun on the meridian;
the resulting lat. is $33^{\circ}20'N$.
Land, rolling, hilly and mountainous.
Soil, rocky, 4th rate.
Timber, scattering juniper, oak and pine.
Undergrowth, dense scrub oak.
Mountainous land, 48 chs.

40.00 N. $89^{\circ}58'E$., on a random line, bet. secs. 13 and 24.
80.23 Set temp. $\frac{1}{4}$ sec. cor.
Intersect E. bdy. of Tp., 9 lks. S. of the cor. of secs. 13,
18, 19 and 24, established by me, as described in Book
"A."
Thence I run,
S. $89^{\circ}54'W$., on a true line, bet. secs. 13 and 24.
Through scattering timber and undergrowth.
Descend slight west slope to
0.85 Wash, course S. Ascend E. slope, 110 ft. to
10.25 Ridge, brs. NE. and SW. Descend NW. slope, 245 ft. to
24.75 Gulch, course SW. Ascend SE. slope, 160 ft. to
38.25 Spur ridge, brs. S. Descend SW. slope, 40 ft.
40.115 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
1913 on S. rim,
 $\frac{1}{4}$ S 13 in N., and
S 24 in S. half; from which,
An oak, 10 ins. in diam., brs. S. $40^{\circ}W$., 78
lks. dist., marked $\frac{1}{4}$ S 24 B.T.
No other trees within limits. Raise a mound of stone 2 ft.
base, $1\frac{1}{2}$ ft. high, north of cor. Pits impracticable.
42.25 Wash, course S. Ascend SE. slope, 70 ft. to
46.00 Thence over level land.
80.23 The cor. of secs. 13, 14, 23 and 24.
Land, level, rolling, hilly and mountainous.
Soil, rocky, 4th rate,
Timber, scattering juniper, oak and pine.
Undergrowth, scattering scrub oak and cacti.
Mountainous land, 34 chs.

N. $0^{\circ}1'W$., bet. secs. 13 and 14.
Through scattering timber and dense undergrowth. Ascend
SW. slope, 30 ft.
3.55 Pine Flat and Eagle Trail, brs. E. and W.
8.00 Ridge, brs. E. and W. Descend N. slope, 135 ft. to
16.00 Gulch, course west. Ascend S. slope, 130 ft. to
24.00 Spur ridge, brs. W. Descend NW. slope, 235 ft. to
34.80 Canyon, course SW. Ascend SE. slope, 100 ft.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
1913 on S. rim,
 $\frac{1}{4}$ S 14 in W., and
S 13 in E. half; from which,
An oak, 10 ins. in diam., brs. S. $53^{\circ}E$., 100
lks. dist., marked $\frac{1}{4}$ S 13 B.T.
No other trees within limits; raise a mound of stone 2 ft.
base, $1\frac{1}{2}$ ft. high, W of cor. Pits impracticable.
41.00 Thence along east slope.
44.00 Ascend SE. slope, 125 ft. to

Subdivision of frac. Township 1 South, Range 28 East. 5.

Chains.

60.00 Thence across level mesa.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap,
 1913 on S. rim,
 T 1 S R 28 E in N. half;
 S 11 in NW.
 S 12 in NE.;
 S 13 in SE.; and
 S 14 in SW. quadrant;
 raise a mound of stone, 2 ft. base, 1 1/2 ft. high, west of corner Pits impracticable.
 Land, level, rolling, hilly and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering juniper, oak and pine.
 Undergrowth, dense scrub oak.
 Mountainous land, 38 chs.

March 21, 1914.

April 1, 1914: At 7h. 55m. a.m., l.m.t., I set off 33° 21' N. on the lat. arc; 4° 24' N. on the decl. arc, and determine a meridian with the solar at the corner of secs. 11, 12, 13 and 14.

Thence I run,
 N. 89° 54' E., on a random line, bet. secs. 12 and 13.
 40.00 Set temp. 1/4 sec. cor.
 80.05 Intersect east bdy. of Tp., 5 lks. S. of the cor. of secs. 7, 12, 13 and 18, established by me, as described in Book "A."
 Thence I run,
 S. 89° 52' W., on a true line, bet. secs. 12 and 13.
 Through scattering timber and dense undergrowth.
 Ascend E. slope, 115 ft. to
 11.00 Ridge, brs. NE and SW. Descend NW. slope, 440 ft. to
 36.80 Gulch, course SW. Ascend SE. slope, 100 ft.
 40.025 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,
 1913 on S. rim,
 1/4 S 12 in N., and
 S 13 in S. half; from which,
 An oak, 6 ins. in diam., brs. N. 65° E., 233 lks. dist., marked 1/4 S 12 B T.
 A pine, 10 ins. in diam., brs. S. 13° W., 122 lks. dist., marked 1/4 S 13 B T.
 52.00 Spur ridge, brs. SW. Descend W. slope, 160 ft. to
 62.00 Gulch, course S. Ascend E. slope, 125 ft. to
 72.00 Thence over level land; leave timber, brs. N. and S.
 80.05 The cor. of secs. 11, 12, 13 and 14.
 Land, level, rolling, hilly and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering oak, cedar and pine.
 Undergrowth, dense scrub oak.
 Mountainous land, 34 chs.

April 1, 1914.

April 2nd, 1914: At 8h. 5m., a.m., l.m.t., I set off 33° 21' N. on the lat. arc; 4° 47' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14, hereinbefore described.

Thence I run,
 N. 0° 1' W., bet. secs. 11 and 12.
 Descend NW. slope, 55 ft. to
 9.00 Draw, course SW. Ascend SE. slope, 415 ft. to
 30.00 Ascend SW. slope.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the

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Chains.

- ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,
 1913 on S.rim,
 $\frac{1}{4}$ S 11 in W., and
 S 12 in E.half;
 and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft. high, west
 of cor. Pits impracticable.
- 46.00 Enter scattering imber and dense undergrowth, brs.E.and W.
 47.00 Ridge, brs.E.and W. Descend N.slope, 275 ft.to
 59.00 Wash, course W. Ascend SW. slope, 155 ft.to
 71.00 Spur ridge, brs.W. Descend NW. slope, 95 ft.to
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground, for cor.of secs.1,2,11 and 12, marked on
 brass cap,
 1913 on S.rim,
 T 1 S R 28 E in N.half;
 S 2 in NW.,
 S 1 in NE.,
 S 12 in SE., and
 S 11 in SW.quadrant; from which,
 An oak, 12 ins. in diam., brs.N. $63\frac{3}{4}^{\circ}$ E., 65 lks.
 dist., marked T 1 S R 28 E S 1 B T.
 A pine, 10 ins. in diam., brs.S. $76\frac{1}{4}^{\circ}$ E., 95 lks.
 dist., marked T 1 S R 28 E S 12 B T.
 An oak, 7 ins. in diam., brs.S. $16\frac{1}{2}^{\circ}$ W., 69 lks.
 dist., marked T 1 S R 28 E S 11 B T.
 An oak, 8 ins. in diam., brs.N. $61\frac{3}{4}^{\circ}$ W., 150 lks.
 dist., marked T 1 S R 28 E S 2 B T.
- Note: At this cor., I set off $4^{\circ}50'$ N. on the decl.arc;
 and at apparent noon, I observe the sun on the meridian;
 the resulting lat.is $33^{\circ}21\frac{1}{2}'$ N.
 Land, hilly and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering juniper, oak, cedar and pine.
 Undergrowth, scattering scrub oak.
 Mountainous land, 60 chs.
-
- 40.00 N. $89^{\circ}52'$ E., on a random line, bet. secs.1 and 12.
 Set temp. $\frac{1}{4}$ sec.cor.
 80.12 Intersect the east bdy.of the Tp., 2 lks.S.of the cor.of
 secs.1,6,7 and 12, established by me, as described in
 Book "A."
 Thence I run,
 S. $89^{\circ}51'$ W., on a true line, bet. secs.1 and 12.
 Through scattering timber and undergrowth. Descend NW.
 slope, 175 ft.to
 12.15 Gulch, course SW. Ascend SE. slope, 165 ft.
 40.06 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,
 1913 on S.rim,
 $\frac{1}{4}$ S 1 in N., and
 S 12 in S.half; from which,
 An oak, 10 ins. in diam., brs.N. $25\frac{3}{4}^{\circ}$ E., 77 lks.
 dist., marked $\frac{1}{4}$ S 1 B T.
 No other trees within limits; raise a mound of stone 2 ft.
 base, $1\frac{1}{2}$ ft.high, north of cor. Pits impracticable.
- 42.00 Ridge, brs.NE. and SW. Descend NW. slope, 485 ft.to
 80.12 The cor.of secs.1,2,11 and 12.
 Land, mountainous and hilly.
 Soil, rocky, 4th rate.
 Timber, scattering juniper, cedar, oak and pine.
 Undergrowth, scattering scrub oak.
 Mountainous land, 48 chs.
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Subdivision of frac. Township 1 South, Range 28 East. 7.

Chains.

N.0°1'W., on a true line, bet. secs.1 and 2.
Through scattering timber and undergrowth. Descend N. slope, 50 ft.to

2.00 Gulch, course W. Ascend S. slope, 335 ft.to

19.50 Ridge, brs.E.and W. Descend N. slope, 245 ft.to

33.00 Gulch, course W. Ascend SW. slope, 90 ft.to

40.00 Spur ridge, brs.W.
Set an iron post, 3 ft.long, .1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, 1913 on S.rim, $\frac{1}{4}$ S 2 in W., and S 1 in E.half; from which,
A juniper, 36 ins. in diam., brs.N.34°E., 152 lks.dist. marked $\frac{1}{4}$ S 1 B T.
A pine 8 ins, in diam., brs.N.75°W., 195 lks.dist., marked $\frac{1}{4}$ S 2 B T.

Descend N. slope, 120 ft.to

47.50 Gulch, course SW. Ascend S. slope, 250 ft.to

63.00 Thence along west slope.

69.84 Intersect the north bdy.of Tp. (G& S.R.Base Line) 1.89 chs. west of the standard cor.of secs.34 and 35, reestablished by me, as described in Book "B."
At the point of intersection, set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for closing corner of secs. 1 and 2, marked on brass cap, 1913 on S.rim, C C S of center, T 1 N R 28 E, S 34, S 35 in N half; S 1 in SE., and S 2 in SW.quadrant;
and raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.

Land, mountainous and hilly.
Soil, rocky, 4th rate.
Timber, scattering cedar, juniper, oak and pine.
Undergrowth, scattering scrub oak.
Mountainous land, 65 chs.

April 2, 1914.

March 23, 1914. From the cor.of secs. 2,3, 34 and 35 on the south bdy.of the Tp. established by me, as described in Book "A," I run, N.0°1'W., bet. secs. 34 and 35.
Over level land, through scattering timber and dense undergrowth.

14.00 Trail, brs.E.and W. Enter Sheep wash course SW.

16.30 Leave Sheep Wash. Ascend SE. slope, 150 ft.to

32.00 Descend NE. slope.

34.00 Wash, course SE. Ascend SW. slope, 115 ft.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap, 1913 in S.rim, $\frac{1}{4}$ S 34 in W., and S 35 in E.half; from which,
A cedar, 8 ins. in diam., brs.N.70 $\frac{3}{4}$ °E., 241 lks.dist., marked $\frac{1}{4}$ S 35 B T.
A cedar limb, 8 ins. in diam., brs.N.10°W., 93 lks.dist., marked $\frac{1}{4}$ S 34 B T.

42.00 Ascend SE. slope, 265 ft.

59.50 Ridge, brs.E.and W. Descend N. slope, 110 ft.to

66.50 Gulch, course NW. Ascend SW. slope, 75 ft.to

73.50 Ridge, brs.E.and W. Descend N. slope, 170 ft.to

80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor.of secs. 26,27, 34 and 35, marked on brass cap, 1913 on S.rim, T 1 S R 28 E in N.half; S 27 in NW.,

8. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

S 26 in NE.
 S 35 in SE.; and
 S 34 in SW quadrant; from which,
 An oak, 6 ins. in diam., brs. N. $58\frac{1}{2}^{\circ}$ E., 82 lks.
 dist., marked T 1 S R 28 E S 26 B T.
 A pine, 14 ins. in diam., brs. S. $86\frac{1}{2}^{\circ}$ E., 180 lks.
 dist., marked T 1 S R 28 E S 35 B T.
 An oak, 8 ins. in diam., brs. S. 69° W., 46 lks.
 dist., marked T 1 S R 28 E S 34 B T.
 A cedar, 6 ins. in diam., brs. N. $18\frac{1}{2}^{\circ}$ W., 43 lks.
 dist., marked T 1 S R 28 E S 27 B T.

Note: At this corner, I set off $0^{\circ} 56\frac{1}{2}'$ N. on the lat. arc;
 and at apparent noon, I observe the sun on the meridian;
 the resulting lat. is $33^{\circ} 18\frac{1}{2}'$ N.

Land, level, rolling, hilly and mountainous.

Soil, rocky, 4th rate.

Timber, scattering cedar, oak and pine.

Undergrowth, dense scrub oak, and cacti.

Mountainous land, 52 chs.

40.00
 79.86

East, on a random line, bet. secs. 26 and 35.

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

Intersect N. and S. line, 7 lks. N. of the cor. of secs.
 25, 26, 35 and 36, hereinbefore described.

Thence I run,

N. $89^{\circ} 57'$ W., on a true line, bet. secs. 26 and 35.

Through heavy timber and dense undergrowth. Descend
 slight SW. slope, to

1.60
 11.85
 24.10
 27.85
 36.35
 36.85
 37.35
 39.93

Wash, course SE. Ascend NE. slope, 190 ft. to

Ridge, brs. NE. and SW. Descend NW. slope, 160 ft.

Wash, course SW. Ascend slight SE. slope, to

Spur ridge, brs. S. Descend SW. slope, 60 ft. to

Wash, course NW.; ascend.

Spur ridge, brs. N.; descend.

Wash, course SW.; ascend.

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

1913 on S. rim,

$\frac{1}{4}$ S 26 in N., and

S 35 in S. half; from which,

An oak limb, 8 ins. in diam., brs. S. $30\frac{1}{4}^{\circ}$ W., 104
 lks. dist., marked $\frac{1}{4}$ S 35 B T.

No other trees within limits. Raise a mound of stone, 2 ft.
 base, $1\frac{1}{2}$ ft. high, north of cor. Pits impracticable.

41.85
 44.05
 45.85

Spur, ridge, brs. S. Descend SW. slope, 25 ft. to

Wash, course NW. Ascend slight NE. slope, to

Spur ridge, brs. N. Descend west slope, along wash, course
 west.

59.85
 64.85
 65.90
 66.90
 67.90
 69.90
 71.90
 75.85
 79.86

Wash, course N.; ascend.

Spur ridge, brs. N.; descend.

Wash, course N.; ascend.

Spur ridge, brs. N.; descend.

Wash, course N.; ascend.

Spur ridge, brs. N.; descend.

Wash, course N.

Ascend NE. slope, 40 ft. to

The cor. of secs. 26, 27, 34 and 35.

Land, hilly and mountainous.

Soil, rocky, 4th rate.

Timber, heavy pine, cedar, oak and juniper.

Undergrowth, dense scrub oak.

Mountainous land, 32 chs.

N. $0^{\circ} 1'$ W., bet. secs. 26 and 27.

Through scattering timber and undergrowth. Descend N.
 slope, 90 ft. to

Subdivision of frac. Township 1 South, Range 28 East. 9.

Chains.

3.75 Gulch, course W. Thence along west slope.
 10.00 Wash, course SW. Ascend S. slope, 285 ft.to
 27.00 Thence along west slope.
 33.00 Ascend SW. slope, 115 ft.to
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., marked on brass cap,
 1913 on S.rim,
 $\frac{1}{4}$ S 27 in W., and
 S 26 in E half; from which,
 A cedar, 16 ins. in diam., brs. S.19° E., 122
 lks. dist., marked $\frac{1}{4}$ S 26 B T.
 An oak, 5 ins. in diam., brs. N.7° W., 75 lks.
 dist., marked $\frac{1}{4}$ S 27 B T.
 Descend NE. slope.
 45.00 Descend in gulch, course N. 125 ft.to
 49.00 Gulch, course W. Ascend S. slope, 145 ft.to
 53.50 Ridge, brs. E and W. Descend N. slope, 225 ft.to
 65.50 Gulch, course SW. Ascend SW. slope, 145 ft.to
 73.00 Ridge, brs. E and W. Descend NW. slope, 105 ft.to
 79.20 Gulch, course W. Ascend SE. slope, to
 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 and 27, marked
 on brass cap,
 1913 on S.rim,
 T 1 S R 28 E in N. half;
 S 22 in NW,
 S 23 in NE.,
 S 26 in SE., and
 S 27 in SW quadrant; from which,
 A pine, 8 ins. in diam., brs. N.43 $\frac{1}{2}$ ° E., 36 lks.
 dist., marked T 1 S R 28 E S 23 B T.
 An oak, 18 ins. in diam., brs. S.35 $\frac{1}{4}$ ° E., 64 lks.
 dist., marked T 1 S R 28 E S 26 B T.
 An oak 8 ins. in diam., brs. S.4 $\frac{1}{4}$ ° W., 74 lks.
 dist., marked T 1 S R 28 E S 27 B T.
 No other trees within limits; raise a mound of stone 2 ft.
 base, 1 $\frac{1}{2}$ ft. high, west of cor. Pits impracticable.
 Land, mountainous and hilly.
 Soil, rocky, 4th rate.
 Timber, scattering cedar, oak, pine and juniper.
 Undergrowth, dense scrub oak in canyons, and on N. slopes.
 Mountainous land, 56 chs.

40.00 S. 89° 57' E., on a random line, bet. secs. 23 and 26.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.76 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 23,
 24, 25 and 26, hereinbefore described.
 Thence I run,
 N. 89° 58' W., on a true line, bet. secs. 23 and 26.
 Over level land.
 13.75 Thence along south slope.
 26.00 Descend SW. slope, 75 ft. to
 32.00 Head of draw, course SW. Ascend SE. slope.
 39.88 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1913 on S.rim,
 $\frac{1}{4}$ S 23 in N., and
 S 26 in S. half; from which,
 A cedar, 6 ins. in diam., brs. N. 22° E., 196 lks.
 dist., marked $\frac{1}{4}$ S 23 B T.
 No other trees within limits. Raise a mound of stone, 2
 ft. base, 1 $\frac{1}{2}$ ft. high, north of cor. Pits impracticable.
 42.00 Thence along south slope.
 54.00 Descend SW. slope, 60 ft. to
 62.00 Enter timber and undergrowth, brs. NE. and SW.
 Descend NW. slope, 300 ft. to
 78.50 Gulch, course SW. Ascend slight SE. slope, to
 79.76 The cor. of secs. 22, 23, 26 and 27.

10. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

Land, level, hilly and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering cedar and pine for 18 chs.
 Undergrowth, scattering scrub oak for 18 chs.
 Mountainous land for 24 chs.

March 23, 1914.

March 30, 1914. At 8h. 54m. a.m., l.m.t., I set off 33²
 19' N. on the lat. arc; 3°38' N. on the decl. arc; and
 determine a meridian with the solar at the cor. of secs.
 22, 23, 26 and 27.

Thence I run,
 N. 0°1' W., bet. secs. 22 and 23.
 Through scattering timber. Ascend SE slope, 230 ft. to
 2.00 Along south slope, through scattering undergrowth.
 6.00 Ascend south slope.
 10.00 Ascend SE slope.
 17.50 Wagon road brs. NE and SW.
 18.25 Ridge, brs. E. and W. Descend N. slope, 240 ft. to
 29.50 Enter gulch, 2.50 chs. wide, course W.
 32.00 Leave gulch, ascend SW slope, 70 ft. to
 33.00 Spur ridge, brs. W. Descend NW slope, 35 ft. to
 38.00 Gulch, course SW. Ascend SE slope, 245 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1913 on S rim,
 $\frac{1}{4}$ S 22 in W., and
 S 23 in E. half; from which,
 An oak, 8 ins. in diam., brs. S 2° E., 75 lks.
 dist., marked $\frac{1}{4}$ S 23 B T.
 An oak, 8 ins. in diam., brs. S 28° W., 150 lks.
 dist., marked $\frac{1}{4}$ S 22 B T.
 41.00 Draw, course SE. Ascend SW slope, to
 52.00 Ridge, brs. E and W. Descend NE slope, 170 ft. to
 64.00 Wash, course NW. Ascend SW slope, 25 ft. to
 66.00 Spur ridge, brs. NW. Descend SE slope, 550 ft. to
 70.00 Gulch, course SW. Ascend SE slope, 210 ft. to
 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 and 23, marked
 on brass cap,
 1913 on S rim,
 T 1 S R 28 E in N. half;
 S 15 in NW.,
 S 14 in NE.
 S 23 in SE.; and
 S 22 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 west of cor. Pits impracticable.
 Land, mountainous and hilly.
 Soil, rocky 4th rate.
 Timber, scattering oak, pine and cedar.
 Undergrowth, scrub oak in gulches, and on N. slopes.
 Mountainous land, 60 chs.

S. 89° 58' E., on a random line, bet. secs. 14 and 23.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. and S. line, 28 lks. N. of the cor. of secs. 13, 14,
 23 and 24, hereinbefore described.
 Thence I run,
 N. 89° 46' W., on a true line, bet. secs. 14 and 23.
 Along south slope, through scattering timber and dense
 undergrowth.
 16.00 Descend NW. slope, 150 ft.
 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,

Subdivision of frac. Township 1 South, Range 28 East. 11.

Chains.

1913 in S.rim,
 $\frac{1}{4}$ S 14 in N., and
 S 23 in S.half; from which,
 A juniper limb, 16 ins. in diam., brs.N. $32\frac{1}{4}^{\circ}$ W.,
 251 lks.dist., marked $\frac{1}{4}$ S 14 B T.
 No other trees within limits. Raise a mound of stone 2 ft.
 base, $1\frac{1}{2}$ ft. high, north of cor. Pits impracticable.

41.00 Head of draw, course NW. Thence over level land.
 48.00 Descend NW. slope, 270 ft.to
 62.00 Gulch, course SW. Ascend SE. slope, 140 ft.to
 76.00 Thence over level land.
 79.98 The cor.of secs.14,15,22 and 23.
 Land,level, hilly and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering oak, pine and cedar.
 Undergrowth, scattering scrub oak.
 Mountainous land, 32 chs.
 Note: The sky was overcast at noon, making an observa-
 tion for latitude impossible.

N. $0^{\circ}1'W.$, bet. secs.14 and 15.
 Over level land, through scattering timber and undergrowth.

12.00 Descend NE. slope, 70 ft.to
 20.00 Wash, course NW. Ascend SW. slope, 25 ft.to
 22.50 Spur ridge, brs.NW. Descend N. slope, 60 ft.to
 27.00 Wash, course NW. Ascend SW. slope, 55 ft.to
 34.00 Spur ridge, brs.W. Descend NW. slope, 75 ft.to
 40.00 Wash, course west. Point for $\frac{1}{4}$ sec.cor.
 40.20 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for witness cor. to $\frac{1}{4}$ sec.cor., marked on
 brass cap,

1913 on S.rim,
 W C $\frac{1}{4}$ in N.half;
 S 14 in SE., and
 S 15 in SW.quadrant; from which,
 An oak, 7 ins. in diam., brs.N. $29\frac{1}{2}^{\circ}$ E., 147 lks.
 dist., marked W C $\frac{1}{4}$ S 14 B T.
 An oak, 6 ins. in diam., brs.S. $56\frac{1}{2}^{\circ}$ W., 19 lks.
 dist., marked W C $\frac{1}{4}$ S 15 B T.

Ascend SE. slope, 115 ft.to
 58.00 Ridge, brs.NE and SW. Descend N. slope to
 68.00 Draw, course SW. Ascend S. slope, 105 ft.to
 74.00 Spur ridge, brs.SW. Ascend SW. slope.
 78.00 Thence along west slope.
 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 and 15, marked
 on brass cap,

1913 on S.rim,
 T 1 S R 28 E in N.half;
 S 10 in NW.,
 S 11 in NE.,
 S 14 in SE.; and
 S 15 in SW.quadrant; from which,
 A cedar, 26 ins. in diam., brs.S. $5\frac{3}{4}^{\circ}$ E., 93
 lks.dist., marked T 1 S R 28 E S 14 B T.
 A cedar, 18 ins. in diam., brs.S. $42\frac{3}{4}^{\circ}$ W., 121
 lks.dist., marked T 1 S R 28 E S 15 B T.
 No other trees within limits; raise a mound of stone 2
 ft.base, $1\frac{1}{2}$ ft. high, west of corner. Pits impracti-
 cable.
 Land, level, rolling hilly and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering cedar, oak and pine.
 Undergrowth, scattering scrub oak.
 Mountainous land, 26 chs.

March 30, 1914.

12. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

April 1, 1914:
 S. $89^{\circ}46'$ E., on a random line, bet. secs. 11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 11, 12,
 13 and 14, hereinbefore described.
 Thence I run,
 $N. 89^{\circ}49' W.$, on a true line, bet. secs. 11 and 14.
 Through scattering timber and undergrowth. Descend gentle
 NW. slope, 240 ft. to
 34.40 Gulch, course SW. Ascend SE. slope, 45 ft.
 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,
 1913 in S. rim,
 $\frac{1}{4}$ S 11 in N., and
 S 14 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.
 of corner. Pits impracticable.
 43.00 Ridge, brs. NE. and SW. Descend NW. slope, 240 ft. to
 60.00 Enter gulch, course SW.
 62.00 Leave gulch. Ascend SE. slope, 145 ft. to
 76.00 Ridge, brs. NE. and SW. Descend SW. slope, 90 ft. to
 79.92 The cor. of secs. 10, 11, 14 and 15.
 Land, level, rolling, hilly and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering oak and cedar in gulches.
 Undergrowth, scattering scrub oak in gulches.
 Mountainous land, 18 chs.
 April 1, 1914.

April 3, 1914. At 8h. 10m. a.m., l.m.t., I set off $33^{\circ}21'$
 N. on the lat. arc; $5^{\circ}10' N.$ on the decl. arc; and de-
 termine a meridian with the solar at the cor. of secs.
 10, 11, 14 and 15.
 Thence I run,
 $N. 0^{\circ}1' W.$, bet. secs. 10 and 11.
 Ascend SW. slope, 165 ft. to
 14.00 Thence over level land.
 34.00 Descend slight NW. slope, 50 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1913 on S. rim,
 $\frac{1}{4}$ S 10 in W., and
 S 11 in E. half;
 and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, west
 of corner. Pits impracticable.
 48.00 Thence along west slope.
 60.00 Draw, course W. Ascend SW. slope, 70 ft. to
 70.00 Thence over level land.
 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 and 11, marked
 on brass cap,
 1913 on S. rim,
 T 1 S R 28 E in N. half;
 S 3 in NW.,
 S 2 in NE.,
 S 11 in SE., and
 S 10 in SW. quadrant;
 and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of corner. Pits impracticable.
 Land, level and rolling.
 Soil, rocky, 4th rate,
 No timber or undergrowth.

40.00 S. $89^{\circ}49'$ E., on a random line, bet. secs. 2 and 11.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 1, 2,

Subdivision of frac. Township 1 South, Range 28 East. 13.

Chains.

11 and 12.
 Thence I run,
 N. 89° 45' W., on a true line, bet. secs. 2 and 11.
 Through scattering timber and undergrowth. Descend NW.
 slope. 95 ft. to
 6.00 Gulch, course SW. Leave scattering timber and undergrowth.
 Ascend east slope, 55 ft.
 18.00 Ridge, brs. NE and SW. Descend NW. slope, 85 ft. to
 26.00 Draw, course SW. Ascend slight SE. slope.
 39.97 Spur ridge, brs. SW. Set an iron post, 3 ft. long, 1 in.
 in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked
 on brass cap,
 1913 on S rim,
 $\frac{1}{4}$ S 2 in N., and
 S 11 in S. half;
 and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N.
 of corner. Pits impracticable.
 Descend NW. slope, 150 ft. to
 50.00 Gulch, course SW. Ascend E. slope, 80 ft. to
 58.00 Spur ridge, brs. S. Descend W. slope, 60 ft. to
 65.50 Draw, course S. Ascend E. slope, 35 ft. to
 72.00 Thence over level land.
 79.94 The cor. of secs. 2, 3, 10 and 11.
 Note: At this corner, I set off 5° 13' N. on the decl.
 arc; and at apparent noon, I observe the sun on the
 meridian; the resulting lat. is 33° 21 $\frac{1}{2}$ ' N.
 Land, level, rolling, hilly and mountainous.
 Soil, rocky, 4th rate,
 No timber or undergrowth, excepton first 6 chs.
 Scattering oak, pine and cedar timber, and scrub oak
 undergrowth.
 Mountainous land, 18 chs.

N. 0° 1' W., on a true line, bet. secs. 2 and 3.
 Over level land. No timber or undergrowth.
 6.00 Enter scattering timber and dense undergrowth, brs. E. and
 W. Descend NW. slope, 280 ft. to
 27.00 Enter Bear Canyon, course SW.
 33.00 Leave Bear Canyon; ascend SE. slope, 340 ft.
 Leave timber and undergrowth, brs. NE and SW.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1913 in S. rim,
 $\frac{1}{4}$ S 3 in W., and
 S 2 in E. half;
 and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W
 of corner. Pits impracticable.
 60.00 Top of ascent; thence over level land.
 69.38 Intersect the N. bdy. of Tp. (G. & S. R. Base Line) 1.95 chs. W.
 of the standard cor. of secs. 33 and 34, reestablished
 by me, as described in Book "B."
 At the point of intersection, set an iron post, 3 ft.
 long, 2 ins. in diam., 24 ins. in the ground, for
 closing cor. of secs. 2 and 3, marked on brass cap,
 1913 in S. rim,
 C C S. of center,
 T 1 N R 28 E, S 33, S 34 in N. half;
 S 2 in SE., and
 S 3 in SW. quadrant; and raise a mound of
 stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of corner. Pits imprac-
 ticable.
 Land, level, rolling, hilly and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering oak, cedar, pine and juniper.
 Undergrowth, dense scrub oak on N. slopes and in canyons
 only.
 Mountainous land, 30 chs.

April 3, 1914.

14. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

	March 24, 1914:
	From the cor. of secs. 3, 4, 33 and 34, on the south bdy. of the township, established by me, as described in Book "A." I run,
	N. $0^{\circ}2'$ W., bet. secs. 33 and 34.
	Through scattering timber and undergrowth. Ascend SW. slope, 125 ft. to
12.00	Head of wash, course SW. Ascend S. slope, to
16.00	Spur ridge, brs. SE. Descend NE. slope, 10 ft. to
22.00	Wash, course SE. Ascend SW. slope, 60 ft. to
26.00	Spur ridge, brs. SE. Descend NE. slope, 20 ft. to
29.50	Wash, course SE. Ascend S. slope, 175 ft. to
37.25	Ascend slight SW. slope, 20 ft.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 in S. rim, $\frac{1}{4}$ S 33 in W., and S 34 in E. half;
	and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, west of cor. Pits impracticable.
43.00	Ridge, brs. E. and W. Descend N. slope, 205 ft. to
56.00	Canyon, course W. Ascend SW. slope, 215 ft. to
66.00	Head of draw, course SW. Ascend S. slope, to
71.00	Ridge, brs. E. and W. Descend NE. slope, 170 ft. to
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 and 34, marked on brass cap, 1913 on S. rim. T 1 S R 28 E in N. half; S 28 in NW., S 27 in NE., S 34 in SE., and S 33 in SW. quadrant; from which, An oak, 8 ins. in diam., brs. N. $15\frac{3}{4}^{\circ}$ E., 78 lks. dist., marked T 1 S R 28 E S 27 B T. A pine, 10 ins. in diam., brs. S. 40° E., 60 lks. dist., marked T 1 S R 28 E S 34 B T.
	No other trees within limits. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, west of cor. Pits impracticable.
	Note: At this corner, I set off $1^{\circ} 19\frac{1}{2}'$ N. on the decl. arc, and at apparent noon, I observe the sun on the meridian; the resulting lat. is $33^{\circ} 18\frac{1}{2}'$ N.
	Land, hilly and mountainous.
	Soil, rocky, 4th rate,
	Timber, scattering cedar, oak and pine.
	Undergrowth, scrub oak and pine.
	Mountainous land, 48 chs.

7.28	East, on a random line, bet. secs. 27 and 34. Instrument point on spur ridge, brs. NW., from which I stadia across brushy draw, 100 ft. deep, course NW. Rod reading (mean of three) 4.737 ft. Ratio, 1 ft. = 2 chs. Focal constant, 1.025 ft. Vertical angle, plus $10\frac{1}{4}^{\circ}$. The distance is therefore, $.9683 \times 2 \times 4.737$ plus $.016 = 9.19$ chs., which added to 7.28 chs. = 16.47 chs.
16.47	Rod point on spur ridge, brs. NW.
18.00	Instrument point on west edge of brushy canyon, 100 ft. deep, course NW., across which I stadia. Rod reading (mean of three) 5.672 ft., Ratio, 1 ft. = 2 chs. Focal constant, 1.025 ft. Level. The distance is therefore 5.672×2 plus $.016 = 11.36$ chs., which added to 18.00 chs. = 29.36 chs.
29.36	Rod point on spur ridge on east edge of canyon.
40.00	Point for temp. $\frac{1}{4}$ sec. cor. falls in wash, course NW.; therefore at
40.14	Set temp. $\frac{1}{4}$ sec. cor.
56.21	Instrument point on west edge of broken, rocky north

Chains.

- slope, over which chaining is impracticable. Therefore measure by stadia. Rod reading (mean of three) 7.557 ft. Ratio, 1 ft. = 2.00 chs. Focal constant, 1.025 ft. Vertical angle, plus $1\frac{1}{2}^\circ$. The distance is therefore, $.9993 \times 2 \times 7.557$ plus $.016 = 15.12$ chs., which added to 56.21 chs. = 71.33 chs.
- 71.33 Rod point.
 - 79.88 Intersect N. and S. line, at the cor. of secs. 26, 27, 34 and 35, hereinbefore described.
 - Thence I run, West, on a true line, bet. secs. 27 and 34. Through scattering timber and dense undergrowth. Ascend NE. slope, 15 ft. to
 - 4.00 Thence along N. slope.
 - 8.55 Thence across broken rocky N. slope, covered with underbrush.
 - 23.67 Descend NW. slope, 25 ft. to
 - 26.00 Thence along north slope.
 - 28.00 Descend W. slope, 70 ft. to
 - 31.00 Wash, course NW. Ascend NE. slope, 65 ft. to
 - 38.00 Spur ridge, brs. N. Descend NW. slope, 30 ft. to
 - 39.74 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap,
 - 1913 on S. rim,
 - W C $\frac{1}{4}$ in E. half;
 - S 27 in NW., and
 - S 34 in SW. quadrant; from which,
 - An oak, 5 ins. in diam., brs. N. 55° E., 10 lks. dist., marked W C $\frac{1}{4}$ S 27 B T.
 - A juniper, 10 ins. in diam., brs. S. 84° E., 59 lks. dist., marked W C $\frac{1}{4}$ S 34 B T.
 - 39.94 Point for $\frac{1}{4}$ sec. cor. falls in wash, course N. Ascend NE. slope, 100 ft. to
 - 50.52 Spur ridge, brs. N. On E. side of bushy canyon, course NW., 100 ft. deep.
 - 61.88 West side of canyon. Ascend slight NE. slope to
 - 63.41 Spur ridge, brs. NW. E. side of canyon, 100 ft. deep, course NW.
 - 72.60 Spur ridge, brs. NW. W. side of canyon, Descend NW. slope. 100 ft. to
 - 76.90 Wash, course NW. Ascend NE. slope, 25 ft. to
 - 79.88 The cor. of secs. 27, 28, 33 and 34. Land, rolling and hilly. Soil, rocky, 4th rate. Timber, scattering juniper, cedar, oak and pine. Undergrowth, dense scrub oak.
-
- N. $0^\circ 2'$ W., bet. secs. 27 and 28. Through scattering timber and undergrowth. Descend NE. slope, 105 ft. to
 - 10.00 Gulch, course W. Ascend W. slope, 235 ft. to
 - 24.54 Instrument point on spur ridge on south side of deep V-shaped canyon, course SW., impracticable to chain across; therefore, I measure distance by stadia. Rod reading (mean of three), 4.501 ft. Ratio 1 ft. = 2 chs. Focal constant, 1.025 ft. Level. The distance is therefore 4.501×2 plus $.016 = 9.02$ chs., which added to 24.54 chs. = 33.56 chs.
 - 33.56 Rod point on spur ridge, brs. SW. Descend N. slope, 245 ft.
 - 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 - 1913 on S. rim,
 - $\frac{1}{4}$ S 28 in W., and
 - S 27 in E. half; from which,
 - A cedar, 16 ins. in diam., brs. N. 58° E., 151 lks. dist., marked $\frac{1}{4}$ S 27 B T.
 - An oak, 6 ins. in diam., brs. N. $33\frac{1}{2}^\circ$ W., 43 lks. dist., marked $\frac{1}{4}$ S 28 B T.

16. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

- Continue to descend N. slope.
 48.00 Enter canyon, course west.
 53.50 Leave canyon; ascend S. slope, 230 ft.
 69.30 Wagon road, brs.NE. and SW.
 70.96 Instrument point at south edge of broken west slope, impracticable to chain over; therefore, measure by stadia. Rod reading (mean of three), 1.640 ft. Ratio, 1 ft. = 2.00 chs. Focal constant, 1.025 ft. Angle of depression 8°. The distance is therefore $.9896 \times 2 \times 1.640$ plus $.016 = 3.23$ chs., which added to 70.96 chs. = 74.19 chs.
 74.19 Rod point on ridge, brs.NE and SW. Descend N. slope, 160 ft.
 75.40 Top of sandstone bluff, brs.E and W.
 76.00 Foot of cliff.
 78.50 Enter canyon, course SW.
 79.00 Leave canyon.
 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 and 28, marked on brass cap,
 1913 on S rim,
 T 1 S R 28 E in N. half;
 S 21 in NW.,
 S 22 in NE.,
 S 27 in SE.; and
 S 28 in SW. quadrant; from which,
 An oak, 24 ins. in diam., brs. N. 68° E., 42 lks. dist., marked T 1 S R 28 E S 22 B T.
 An oak, 8 ins. in diam., brs. S. 43° E., 28 lks. dist., marked T 1 S R 28 E S 27 B T.
 An oak, 8 ins. in diam., brs. S. 76° W., 126 lks. dist., marked T 1 S R 28 E S 28 B T.
 An oak, 10 ins. in diam., brs. N. $39\frac{1}{4}^\circ$ W., 90 lks. dist., marked T 1 S R 28 E S 21 B T.
 Land, rolling, hilly and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering oak, cedar and pine.
 Undergrowth, scattering scrub oak.
 Mountainous land, 38 chs.
-
- 24.27 East, on a random line, bet. secs. 22 and 27.
 Instrument point on west edge of broken S. slope, impracticable to chain over; therefore, measure by stadia. Rod reading, (mean of three), 7.743 ft. Ratio 1 ft. = 2 chs. Focal constant, 1.025 ft. Vertical angle, plus 3° . The distance is therefore $.9973 \times 2 \times 7.743$ plus $.016 = 15.46$ chs., which added to 24.27 chs. = 39.73 chs.
 39.73 Rod point on spur ridge, brs. S.
 40.00 Set temp. $\frac{1}{4}$ sec. cor. Measure by stadia across broken S. slope. Rod reading (mean of three) 3.310 ft. Ratio, 1 ft. = 2 chs. Focal constant, 1.025 ft. Vertical angle plus 3° . The distance is therefore, $.9973 \times 2 \times 3.310$ plus $.016 = 6.62$ chs., which added to 40.00 chs. = 46.62 chs.
 46.62 Rod point on spur ridge, brs. south.
 47.65 Instrument point on west edge of V-shaped draw, impracticable to chain over; therefore, measure by stadia. Rod reading (mean of three) 5.526 ft. Ratio, 1 ft. = 2 chs. Focal constant, 1.025 ft. Level. The distance is therefore 5.526×2 plus $.016 = 11.07$ chs., which added to 47.65 chs. = 58.72 chs.
 58.72 Rod point on spur ridge, brs. S.
 80.17 Intersect N. and S. line, 28 lks. south of the cor. of secs. 22, 23, 26 and 27; hereinbefore described.
 Thence I run,
 S. $89^\circ 48'$ W., on a true line, bet. secs. 22 and 27.
 Ascend SE. slope, 80 ft. through scattering timber and undergrowth.

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Chains.

8.20 Spur ridge, brs.S. Descend SW. slope, 40 ft. to
 11.20 Wash, course S. Ascend SE. slope, 110 ft. to
 21.45 Spur ridge, brs.S. E. bank of draw, course S.
 32.50 West side of draw. Ascend SE. slope, to
 33.61 Spur ridge, brs.S.; descend.
 40.085 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1913 on S. rim,
 $\frac{1}{4}$ S 22 in N., and
 S 27 in S. half; from which,
 A cedar limb 6 ins. in diam., brs. N. 39° W., 85
 lks. dist., marked $\frac{1}{4}$ S 22 B T.
 A cedar, 12 ins. in diam., brs. S. 10 $\frac{1}{2}$ ° W., 134
 lks. dist., marked $\frac{1}{4}$ S 27 B T.
 Ascend SE. slope, to
 40.44 Spur ridge, brs.S.; descend.
 45.09 Ascend.
 55.90 Ridge, brs. NE. and SW. Descend NW. slope.
 59.14 Ascend SE. slope.
 64.60 Ridge, brs. NE and SW.; descend.
 Wagon road, brs. NE and SW.
 79.77 Wash, 50 lks. wide, course SW.; ascend.
 80.17 The cor. of secs. 21, 22, 27 and 28.
 Land, mountainous and hilly.
 Soil, rocky, 4th rate,
 Timber, scattering cedar, oak and pine.
 Undergrowth, scattering scrub oak.
 Mountainous land, 60 chs.

March 24, 1914.

March 28, 1914: At 8h. 54m. a.m., l.m.t., I set off 33° 19'
 N. on the lat. arc; 2° 51' N. on the decl. arc; and de-
 termine a meridian with the solar at the cor. of secs.
 21, 22, 27 and 28.

Thence I run,
 N. 0° 2' W., bet. secs. 21 and 22.
 4.00 Along canyon, course SW.; through scattering timber.
 Leave canyon; ascend SE. slope, 185 ft.
 Leave timber, brs. NE and SW.
 24.00 Ridge, brs. NE and SW. Descend N. slope, 85 ft. to
 28.00 Draw, course NW. Ascend SW. slope, 85 ft. to
 31.75 Spur ridge, brs. W. Descend N. slope, 50 ft. to
 37.40 Draw, course W. Ascend S. slope, 30 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1913 on S. rim,
 $\frac{1}{4}$ S 21 in W., and
 S 22 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable.
 41.00 Spur ridge, brs. W. Descend N. slope, 30 ft. to
 44.00 Spur course W. Ascend S. slope, to
 45.00 Spur ridge, brs. W.
 46.00 Draw, course W. Ascend SW. slope, 20 ft. to
 48.50 Spur ridge, brs. W. Descend N. slope, 50 ft. to
 54.00 Draw, course W. Ascend SW. slope, 10 ft. to
 57.00 Spur ridge, brs. W. Descend NW. slope, 20 ft. to
 61.00 Draw, course SW. Ascend SW. slope, 65 ft. to
 70.00 Ridge, brs. E. and W. Descend N. slope, 60 ft. to
 77.00 Draw, course W. Ascend SW. slope, 35 ft. to
 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 and 22, marked
 on brass cap,
 1913 on S. rim,
 T 1 S R 28 E in N. half;
 S 16 in NW.,
 S 15 in NE.,
 S 22 in SE., and
 S 21 in SW. quadrant

18. Subdivision of frac. Township 1 South, Range 28 East

Chains:

	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling and hilly. Soil, rocky, 4th rate. Timber, scattering oak. No undergrowth.

	N. $89^{\circ} 48'$ E., on a random line, bet. secs. 15 and 22. Set temp. $\frac{1}{4}$ sec. cor.
40.00	Intersect N. and S. line, 2 lks. N. of the cor. of secs. 14, 15, 22 and 23, herebefore described.
79.90	Thence I run, S. $89^{\circ} 49'$ W., on a true line, bet. secs. 15 and 22. Through scattering timber and undergrowth. Descend W. slope, 100 ft. to
6.00	Draw, course SW. Ascend SE. slope, to
8.00	Short spur ridge, brs. S. Descend SW. slope to
8.75	Wash, course S. Ascend E. slope, 110 ft. to
16.00	Ridge, brs. N. and S. Descend west slope, 165 ft. to
20.00	Descend in gulch, course west.
36.00	Leave gulch, course NW.; thence along north slope.
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, 1913 on S. rim, $\frac{1}{4}$ S 15 in N., and S 22 in S. half; from which, An oak, 8 ins. in diam., brs. N. 24° W., 112 lks. dist., marked $\frac{1}{4}$ S 15 B T. An oak, 10 ins. in diam., brs. S. 10° E., 106 lks. marked $\frac{1}{4}$ S 22 B T.
41.45	Draw, course N.; ascend.
50.00	Spur ridge, brs. N.; descend.
54.00	Draw, course N. Ascend NE. slope.
56.00	Thence along ridge, brs. E. and W.
64.00	Descend W. slope, 110 ft. to
72.00	Draw, course SW. Thence along south slope to
79.90	The cor. of secs. 15, 16, 21 and 22. At this cor. I set off $2^{\circ} 53\frac{1}{2}'$ N. on the decl. arc; and at noon, I observe the sun on the meridian; the resulting lat. is $33^{\circ} 20'$ N. Land, rolling and hilly. Soil, rocky, 4th rate. Timber, scattering oak, cedar and pine. Undergrowth, scattering scrub oak.

	N. $0^{\circ} 2'$ W., bet. secs. 15 and 16. Through scattering timber. Ascend SW. slope, 45 ft. to
4.00	Spur ridge, brs. W. Descend N. slope, 100 ft. to
18.00	Gulch, course W. Ascend S. slope, 25 ft.,
20.00	Pine Flat Trail, brs. E. and W.
23.00	Thence over level land.
28.00	Draw, course W.
32.00	Descend slight N. slope, to
35.00	Draw, course west. Ascend S. slope, to
37.00	Spur ridge, brs. W.; descend.
38.00	Draw, course W. Ascend SW. slope, 20 ft.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim, $\frac{1}{4}$ S 16 in W., and S 15 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of corner. Pits impracticable.
44.00	Spur ridge, brs. SW. Descend N. slope, 10 ft. to
46.50	Draw, course SW. Ascend S. slope, 70 ft. to

Subdivision of frac. Township 1 S. uth. Range 28 East. 19.

Chains.

56.00 Spur ridge, brs. SW. Descend N. slope, 40 ft. to
 63.00 Draw, course W. Ascend S. slope, to
 64.00 Spur ridge, brs. west. Descend N. slope, to
 66.00 Draw, course W. Ascend S. slope, 60 ft. to
 70.00 Ascend SW. slope, to
 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 and 16, marked on
 brass cap,
 1913 on S. rim,
 T 1 S R 28 E in N. half;
 S 9 in NW.,
 S 10 in NE.,
 S 15 in SE., and
 S 16 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 west of corner. Pits impracticable.
 Land, rolling and hilly.
 Soil, rocky, 4th rate.
 Timber, scattering oak.
 No undergrowth.

March 28, 1914.

March 31, 1914: At 7h. 58m. a.m., l.m.t., I set off 33° 21' N. on the lat. arc; 4° 1/2' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 9, 10, 15 and 16.

Thence I run,
 N. 89° 49' E., on a random line, bet. secs. 10 and 15.
 40.00 Set temp. 1/4 sec. cor.
 79.89 Intersect N. and S. line, 33 lks. N. of the cor. of secs. 10, 11, 14 and 15, hereinbefore described.

Thence I run,
 N. 89° 57' W., on a true line, bet. secs. 10 and 15.
 Descend W. slope, 75 ft. to
 4.25 Draw, course SW. Ascend SE. slope, 45 ft. to
 10.00 Thence along S. slope.
 16.00 Descend W. slope, 60 ft. to
 25.00 Draw, course SW. Ascend SE. slope, 20 ft. to
 32.00 Spur ridge, brs. SW. Descend W. slope, 40 ft. to
 35.00 Draw, course SW. Ascend SE. slope, 25 ft.
 39.945 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for 1/4 sec. cor., marked on brass cap,
 1913 on S. rim,
 1/4 S 10 in N., and
 S 15 in S. half;
 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.

52.00 Spur ridge, brs. SW. Descend W. slope, 55 ft. to
 57.75 Draw, course SW. Ascend SE. slope, 30 ft. to
 62.00 Spur ridge, brs. SW. Descend W. slope, 45 ft. to
 67.50 Draw, course SW. Ascend SE. slope, 55 ft. to
 76.00 Spur ridge, brs. S. Descend SW. slope, 15 ft. to
 79.89 The cor. of secs. 9, 10, 15 and 16.
 Land, rolling and hilly,
 Soil, rocky, 4th rate.
 No timber or undergrowth.

N. 0° 2' W., bet. secs. 9 and 10.
 No timber or undergrowth. Ascend SW. slope, 30 ft. to

6.00 Spur ridge, brs. W.; descend NW. slope, to
 16.00 Draw, course W. Ascend SW. slope, 30 ft. to
 21.00 Spur ridge, brs. W. Descend N. slope, 60 ft.
 21.20 Trail, brs. E. and W.
 27.00 Enter Bear Canyon, course SW. Dense oak and willow timber.
 36.69 Leave canyon and timber; ascend SE. slope, 295 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the

20. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

- ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,
 1913 on S.rim,
 $\frac{1}{4}$ S 9 in W., and
 S 10 in E.half;
 and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of corner Pits impracticable.
- 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 and 10, marked on
 brass cap,
 1913 on S.rim,
 T 1S R 28 E in N.half;
 S 4 in NW.,
 S 3 in NE.,
 S 10 in SE., and
 S 9 in SW.quadrant;
 and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft. high, west
 of cor. Pits impracticable.
- Note: At this corner, I set off $4^{\circ}3\frac{1}{2}'$ N. on the decl.arc;
 and at apparent noon, I observe the sun on the meridian;
 the resulting lat.is $33^{\circ}21\frac{1}{2}'$ N.
- Land, rolling and hilly.
 Soil, rocky, 4th rate.
 No timber or undergrowth.
-
- S. $89^{\circ}57'$ E., on a random line, bet. secs.3 and 10.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 79.80 Intersect N.and S. line, at the cor.of secs.2,3,10 and 11.
 Thence I run,
 N. $89^{\circ}57'$ W., on a true line, bet. secs.3 and 10.
 Over level land.
- 9.00 Descend NW. slope, 325 ft. Enter scattering timber and
 dense undergrowth.
- 24.50 Enter Bear Canyon, course SW.
- 32.00 Leave Bear Canyon; ascend SE. slope, 20 ft.to
- 33.00 Short spur ridge, brs.SW. Descend W. slope to
- 34.00 Gulch, course S.
- Leave timber, brs.NE. and SW. Ascend SE. slope, 75 ft.to
- 39.90 Set an iron post, 3 ft.long, 1 in. india, .26 ins. in the
 ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,
 1913 on S.rim,
 $\frac{1}{4}$ S 3 in N., and
 S 10 in S.half;
 and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft. high, N.of
 corner. Pits impracticable.
- Ascend SE. slope, 100 ft.to
- 57.00 Ridge, brs.NE. and SW. Descend W. slope, 115 ft.to
- 64.30 Draw, course SW. Ascend E. slope, 95 ft.to
- 79.80 The cor.of secs.3,4,9 and 10.
 Land, rolling and hilly.
 Soil, rocky, 4th rate.
 Timber, scattering oak, juniper, pine and cedar.
 Undergrowth, dense scrub in canyons and on N.slopes.
 oak
-
- N. $0^{\circ}2'$ W., on a true line, bet. secs.3 and 4.
 Through scattering timber and undergrowth; ascend S.slope,
 15 ft.to
- 4.00 Thence over level land.
- 14.00 Descend N. slope, 105 ft.to
- 22.00 Wash, course W. Ascend S. slope, 145 ft.to
- 32.00 Spur ridge, brs.W. Descend N. slope, 35 ft.to
- 38.00 Thence along west 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,
 1913 on S.rim,
 $\frac{1}{4}$ S 4 in W., and
 S 3 in E.half; from which,

Subdivision of frac. Township 1 South, Range 28 East. 21.

Chains.

An oak, 8 ins. in diam., brs. N. $12\frac{1}{4}^{\circ}$ E., 121 lks. dist., marked $\frac{1}{4}$ S 3 B T.
 A cedar, 8 ins. in diam., brs. S. $70\frac{3}{4}^{\circ}$ W., 45 lks. dist., marked $\frac{1}{4}$ S 4 B T.

41.00 Descend N. slope, 95 ft. to
 46.00 Wash, course SW. Ascend SE. slope, 150 ft. to
 56.00 Spur ridge, brs. SW. Descend NW. slope, 105 ft. to
 69.10 Intersect the N. bdy. of Tp., (G. & S. R. Base Line), 1.73 chs. west of the standard cor. of secs. 32 and 33, reestablished by me, as described in Book "B"

At point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 3 and 4, marked on brass cap,
 1913 on S. rim,
 C C S of center,
 T 1 N R 28 E S 32, S 33, in N. half;
 S 3 in SE., and
 S 4 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of corner. Pits impracticable.

Land, level, rolling, hilly and mountainous.
 Soil, rocky, 4th rate,
 Timber, scattering oak and cedar. and
 Undergrowth, scattering scrub oak in gulches on N. slopes.
 Mountainous land, 32. chs.

March 31, 1914.

March 25, 1914.
 From the corner of secs. 4, 5, 32 and 33, on the south bdy. of the Tp., established by me, as described in Book "A." I run,
 N. $0^{\circ} 2' W.$, bet. secs. 32 and 33.
 Along ridge, brs. N., through scattering timber.

6.00 Descend NW. slope, 65 ft. to
 11.00 Descend N. slope to
 14.00 Wash, course NW. Ascend SW. slope, 70 ft. to
 16.20 Spur ridge, brs. W. Descend NW. slope, 25 ft. to
 18.00 Wash, course W. Ascend SW. slope, 70 ft. to
 22.50 Ridge, brs. E. and W. Descend N. slope, 110 ft. to
 29.80 Wash, course NW. Ascend SW. slope, 80 ft. to
 35.00 Spur ridge, brs. W. Descend NW. slope, 95 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor.; marked on brass cap,
 1913 on S. rim,
 $\frac{1}{4}$ S 32 in W., and
 S 33 in E. half; from which,
 An oak, 6 ins. in diam., brs. N. 58° E., 26 lks. dist., marked $\frac{1}{4}$ S 33 B T.
 An oak, 10 ins. in diam., brs. S. 72° W., 108 lks. dist., marked $\frac{1}{4}$ S 32 B T.

43.00 Gulch, course SW. Ascend SE. slope, 110 ft. to
 58.00 Ridge, brs. NE. and SW. Descend N. slope, 30 ft. to
 65.00 Draw, course W. Ascend SW. slope, 25 ft. to
 69.00 Spur ridge, brs. W. Descend NW. slope, 30 ft. to
 74.00 Wash, course W. Ascend SW. slope, 30 ft. to
 78.40 Ridge, brs. E. and W. Descend NW. slope, 30 ft. to
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on brass cap,
 1913 on S. rim,
 T 1 S R 28 E in N. half;
 S 29 in NW.,
 S 28 in NE.,
 S 33 in SE., and
 S 32 in SW. quadrant; from which,
 An oak limb, 10 ins. in diam., brs. N. 19° E., 282 lks. dist., marked T 1 S R 28 E S 28 B T.
 An oak, 5 ins. in diam., brs. S. 61° E., 130 lks. dist., marked T 1 S R 28 E S 33 B T.

22. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

A cedar, 8 ins. in diam., brs. S. 75° W., 369
lks. dist., marked T 1 S R 28 E S 32 B T.
An oak, 10 ins. in diam., brs. N. 53° W., 110
lks. dist., marked T 1 S R 28 E S 29 B T.
Land, rolling, mountainous and hilly.
Soil, rocky, 4th rate.
Timber, scattering oak and cedar, on north slopes.
No undergrowth.
Mountainous land, 38 chs.

East, on a random line, bet. secs. 28 and 33.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.98 Intersect the N. and S. line, 9 lks. south of the cor. of
secs. 27, 28, 33 and 34.
Thence I run,
S. 89° 56' W., on a true line, bet. secs. 28 and 33.
Through scattering timber and dense undergrowth. Ascend
slight NE. slope to
2.00 Spur ridge, brs. N. Descend NW. slope, 160 ft. to
14.00 Wash, course N. Ascend slight east slope, to
24.00 Spur ridge, slopes N. Descend W slope, 35 ft. to
32.00 Draw, course N. Ascend E. slope; 20 ft. to
34.15 Spur ridge, brs. N. Descend W. slope, 70 ft. to
38.00 Draw, course N. Thence along broken N. slope.
39.99 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
1913 on S. rim,
 $\frac{1}{4}$ S 28 in N., and
S 33 in S. half; from which,
An oak, 8 ins. in diam., brs. N. 65° E., 171 lks.
dist., marked $\frac{1}{4}$ S 28 B T.
An oak, 8 ins. in diam., brs. S. 24 $\frac{1}{2}$ ° E., 44 lks.
dist., marked $\frac{1}{4}$ S 33 B T.
41.00 Spur ridge, brs. N.; descend.
42.00 Wash, course N.; ascend.
43.00 Spur ridge, brs. N.; descend.
48.00 Draw, course N.; ascend.
50.00 Spur ridge, brs. N.; descend.
62.00 Draw, course N.; ascend.
67.55 Metcalf Trail, brs. NW. and SE. on spur ridge, brs. N. de-
scend.
70.00 Wash, course N.; ascend.
72.00 Spur ridge, brs. N.; descend.
73.45 Ascend.
75.50 Spur ridge, brs. N.; descend.
77.00 Wash, course N.; ascend.
78.00 Descend W. slope, 30 ft. to
79.98 The cor. of secs. 28, 29, 32 and 33.
Land, rolling and hilly.
Soil, rocky, 4th rate.
Timber, scattering oak, cedar and pine.
Undergrowth, dense scrub oak.

March 25, 1914.

March 26, 1914: At 8h. 55m. a.m., l.m.t., I set off
— 33° 18 $\frac{1}{2}$ ' N. on the lat. arc; 2° 4' N. on the decl. arc;
and determine a meridian with the solar at the cor. of
secs. 28, 29, 32 and 33.
Thence I run,
West, on a true line, bet. secs. 29 and 32.
Through scattering timber and undergrowth. Descend broken
NW. slope, 25 ft. to
1.25 Spur ridge, brs. NW; descend.
4.00 Draw, course NW. Ascend NE. slope, 25 ft. to
5.60 Spur ridge, brs. NW. Descend SW. slope, 30 ft. to
8.00 Draw, course NW. Ascend NE. slope, 35 ft. to

Chains.

13.00 Spur ridge, brs.N. Descend NW slope, 70 ft.to
 24.00 Enter Burro Gulch, course SW.
 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec.cor.,marked on brass cap,
 1913 on S.rim,
 $\frac{1}{4}$ S 29 in N., and
 S 32 in S.half; from which,
 A cottonwood, 10 ins.in diam., brs.N.12 $\frac{1}{2}$ °W., 249
 lks.dist., marked $\frac{1}{4}$ S 29 BT.
 A willow, 14 ins. in diam., brs. S.37 $\frac{3}{4}$ °W., 509
 lks.dist., marked $\frac{1}{4}$ S 32 B T.
 47.00 Leave Burro Gulch, course SW.; ascend SE. slope, 30 ft.to
 50.00 Thence along spur ridge, brs.W.
 55.00 Draw, course SW. Ascend SE. slope.
 55.85 Trail, brs.N. and S.
 57.00 Spur ridge, brs.SW. Descend W.slope, 25 ft.to
 58.00 Enter Eagle Creek bottom, course S.
 77.07 Intersect East bdy.of the White Mountain Indian Reserva-
 tion, 14.86 chs.S. of the 41 $\frac{1}{2}$ mile cor. reestablished
 by me, as described in Book "C."
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. in diam., 24 ins. in the ground, for closing
 corner of secs.29 and 32, marked on brass cap,
 1913 on S.rim,
 C C W of center,
 W M I R in W.half;
 S 29 in NE., and
 T 1 S R 28 E S 32 in SE. quadrant;
 and raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft. high, east
 of corner. Pits impracticable.
 Land, rolling and hilly.
 Soil, rocky, 4th rate.
 Timber, scattering oak, cedar, cottonwood and willow.
 Undergrowth, scattering scrub oak and willow.

From the cor.of secs. 28,29,32 and 33, I run,
 N.0°2'W., bet. secs.28 and 29.
 Along west slope, through scattering timber and under-
 growth.

3.50 Descend N. slope, 55 ft.to
 9.50 Enter Burro Gulch, course SW.
 11.35 Metcalf Trail, brs.NW and SE.
 21.00 Leave Burro Gulch; ascend S. slope, 25 ft.to
 22.00 Ascend very slight S. 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,
 1913 on S.rim,
 $\frac{1}{4}$ S 29 in W., and
 S 28 in E.half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 west of corner. Pits impracticable.
 60.00 Ridge, brs.E.and W. Descend N. slope, 90 ft.to
 72.00 Draw, course W. Thence over level land.
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground, for cor.of secs.20,21,28 and 29, marked on
 brass cap,
 1913 on S.rim,
 T 1 S R 28 E in N.half;
 S 20 in NW.,
 S 21 in NE.,
 S 28 in SE., and
 S 29 in SW.quadrant;
 and raise a mound of stone, 2 ft.base, 1 $\frac{1}{2}$ ft. high,W.
 of cor. Pits impracticable.
 Note: At this corner I set off 2°6 $\frac{1}{2}$ 'N. on the lat.arc;
 and at apparent noon, I observe the sun on the meridian;
 the resulting lat.is 33°19 $\frac{1}{2}$ 'N.

24. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

Land, level, rolling and hilly.
Soil, rocky, 4th rate.
Timber, scattering oak and willow on 1st 20 chs.
Undergrowth, scatterings scrub oak and willow.
March 26, 1914.

March 28, 1914.

From the cor. of secs. 20, 21, 28 and 29, I run,
N. 89° 56' E., on a random line, bet. secs. 21 and 28.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.95 Intersect N. and S. line, 11 lks. N. of the cor. of secs. 21,
22, 27 and 28.
Thence I run,
N. 89° 59' W., on a true line, bet. secs. 21 and 28.
13.00 Descend in canyon, course SW., through scattering timber.
Leave timber, brs. N. and S. Foot of bluff; ascend SE.
slope, 115 ft. to
14.30 Top of bluff; continue to ascend SE. slope, to
26.00 Spur ridge, brs. SW. Descend NW. slope, 60 ft. to
33.00 Wash, course SW. Ascend SE. slope, 10 ft. to
35.25 Ridge, brs. NE. and SW. Descend NW. slope, 80 ft. to
39.975 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
1913 on S. rim,
 $\frac{1}{4}$ S 21 in N., and
S 28 in S. half;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of
corner. Pits impracticable.
46.00 Foot of descent; thence over level land.
68.00 Wagon road, brs. NW. and SE.
79.95 The cor. of secs. 20, 21, 28 and 29.
Land, level, rolling and hilly.
Soil, 1st and 4th rate,
Timber, scattering oak on first 13 chs.
No undergrowth.

March 28, 1914.

March 26, 1914.

West, on a true line, bet. secs. 20 and 29.
Over level land; no timber or undergrowth.
23.60 Metcalf Trail, brs. NW. and SE.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
1913 on S. rim,
 $\frac{1}{4}$ S 20 in N., and
S 29 in S. half;
and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of
corner. Pits impracticable.
41.80 Double Circle Trail, brs. NW. and SE.
48.00 Descend slight NW. slope.
49.51 Wire fence brs. NW. and SE.
52.00 Enter cultivated land, brs. N. and S.
61.65 Small irrigation ditch, brs. N. and S.
72.43 Wire fence brs. N. and S.; enter lane; leave cultivated
land, brs. N. and S.
72.85 Trail, brs. N. and S.
75.13 Wire fence brs. N. and S.; leave lane.
77.07 Intersect the east bdy. of the White Mountain Indian Res-
ervation, 17.70 chs. south of the witness corner to $40\frac{1}{2}$
mile corner, established by me, as described in Book
"C." or 15.00 chs. south of true corner point.
The point of intersection being unsuitable for a corner;
therefore, at 40 lks. E., at

Subdivision of frac. Township 1 South, Range 28 East. 25.

Chains.

76.67 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for witness corner to closing corner to cor. of secs. 20 and 29, marked on brass cap,
 1913 on S. rim,
 W C C C W. of center,
 W M I R in W. half;
 S 20 in NE., and
 T 1 S R 28 E S 29 in SE. quadrant; from which,
 A cottonwood, 30 ins. in diam., brs. N. 30° E. 190 lks. dist., marked W C C C T 1 S R 28 E S 20 BT.
 An ash, 12 ins. diam., brs. S 29° E., 45 lks. dist., marked W C C C T 1 S R 28 E S 29 BT.

Land, level.
 Soil, 1st and 2nd rate.
 Timber, on last 2 chs. only. Ash and cottonwood.
 No undergrowth.

N. 0° 2' W., bet. secs. 20 and 21.
 Over level land. No timber or undergrowth.

3.20 Wagon road, brs. E and W.
 10.00 Ascend slight SW. slope to
 16.00 Low spur ridge, brs. W. Descend NW. slope, to
 21.00 Wash, course SW. Ascend S. slope, to
 26.00 Thence over level land.
 36.00 Descend slight north slope, to
 38.20 Draw, course west; thence over level 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,
 1913 on S. rim,
 $\frac{1}{4}$ S 20 in W., and
 S 21 in E. half;
 and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, west of corner. Pits impracticable.

44.00 Draw, course SW. Ascend slight S. slope to
 50.00 Thence over level land.
 58.00 Enter gulch, course SW. from north.
 70.00 Leave gulch, course S. from NE.; ascend SE. slope, 30 ft. to
 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 and 21, marked on brass cap,
 1913 on S. rim,
 T 1 S R 28 E in N. half;
 S 17 in NW.,
 S 16 in NE.,
 S 21 in SE., and
 S 20 in SW. quadrant; from which,
 An oak limb, 8 ins. in diam., brs. S 46° W., 276 lks. dist., marked T 1 S R 28 E S 20 BT.
 A cedar limb, 8 ins. in diam., brs. N. 35° W., 116 lks. dist., marked T 1 S R 28 E S 17 B T.

No other trees within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, west of corner. Pits impracticable.

Land, level and rolling.
 Soil, rocky, 4th rate.
 Timber, scattering oak and cedar in washes.
 No undergrowth.

40.00 S. 89° 59' E., on a random line, bet. secs. 16 and 21.
 80.001 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 15, 16, 21 and 22.
 Thence I run,
 S. 89° 58' W., on a true line, bet. secs. 16 and 21.

26. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

- Through scattering timber. Descend SW. slope, 65 ft. to Wash, course NW. Ascend NE. slope, 70 ft. to
- 6.00 Thence along north slope to
- 16.00 Descend NW. slope, 120 ft. to
- 28.00 Enter Bear Canyon, course SW.
- 35.50
- 40.005 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim, $\frac{1}{4}$ S 16 in N., and S 21 in S. half; from which,
A willow, 8 ins. in diam., brs. N. $62\frac{3}{4}^{\circ}$ W., 264 lks. dist., marked $\frac{1}{4}$ S 16 B T.
An oak, 8 ins. in diam., brs. S 36° E., 153 lks. dist., marked $\frac{1}{4}$ S 21 B T.
- 50.00 Leave Bear Canyon; thence along S. slope to
- 62.00 Draw, course SW. Ascend slight SW. slope, to
- 80.01 The cor. of secs. 16, 17, 20 and 21.
Land, level, rolling and hilly.
Soil, rocky, 4th rate.
Timber, scattering oak and willow, in gulches only.
No undergrowth.
-
- West, on a true line, bet. secs. 17 and 20.
No timber or undergrowth. Descend NW. slope, 40 ft.
- 3.90 Pine Flat Trail, brs. NE. and SW.
- 4.50 Wash, course SW. Ascend slight SE. slope, to
- 5.50 Spur ridge, brs. S. Descend slight SW. slope, to
- 16.00 Draw, course S. Ascend SE. slope, 50 ft. to
- 24.00 Spur ridge, brs. SW. Descend NW. slope, 90 ft. to
- 28.00 Enter Eagle Creek bottom.
- 34.25 Metcalf Trail, brs. N. and S.
- 34.90 Eagle Creek, 40 lks. wide, 6 ins. deep, course S.
Enter scattering timber, brs. N. and S.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim, $\frac{1}{4}$ S 17 in N., and S 20 in S. half; from which,
A cottonwood, 12 ins. in diam., brs. N. $21\frac{3}{4}^{\circ}$ E., 161 lks. dist., marked $\frac{1}{4}$ S 17 B T
A cottonwood, 28 ins. in diam., brs. S $52\frac{1}{4}^{\circ}$ E., 188 lks. dist., marked $\frac{1}{4}$ S 20 B T.
- Leave timber, brs. N. and S.
- 43.20 Wire fence, brs. NE. and SW. Enter cultivated land.
- 48.00 Enter dense cottonwood timber, brs. N and S.
- 48.70 Small stream of water, 10 lks. wide, 8 ins. deep, course S.
- 58.50 Leave timber, brs. NW. and SE.
- 59.10 Irrigation ditch, course SE. Enter cultivated land.
- 62.50 Irrigation ditch, course S.
- 62.70 Wire fence brs. N. and S. Enter pasture.
- 66.90 Double Circle Ranch house, brand © brs. S. 16° W.
- 75.85 Wire fence brs. SE. and NW. Leave pasture.
- 76.00 Wagon road, brs. NE. and SW.
- 77.03 Intersect the east bdy. of the White Mountain Indian Reservation, 15.08 chs. south of the $39\frac{1}{2}$ mile cor., reestablished by me, as described in Book "C."
At the point of intersection, set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing corner of secs. 17 and 20, marked on brass cap, 1913 on S. rim, C C W of center, W M I R in W. half; S 17 in NE., and T 1 S R 28 E S 20 in SE. quadrant;
and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, E. of corner. Pits impracticable.
Land, level, rolling and hilly.
Soil, 1st and 4th rate.

Subdivision of frac. Township 1 South, Range 28 East. 27.

Chains.

Timber, cottonwood and sycamore in creek bottom.
No undergrowth.
From the closing conner of secs. 17 and 20, Double Circle ranch house brs.S.11½°E.

N.0°2'W., bet. secs.16 and 17.
Descend NW. slope, 40 ft. No timber or undergrowth.
3.60 Pine Flat Trail, brs.E and W.
4.00 Gulch, course SW. Ascend SE. slope, 85 ft. to
12.00 Spur ridge, brs.SW. Descend slight NW. slope, to
30.00 Draw, course SW. Ascend slight SE. slope.
40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
the ground, for ¼ sec.cor., marked on brass cap,
1913 on S.rim,
¼ S 17 in W., and
S 16 in E.half;
and raise a mound of stone 2 ft.base, 1½ ft. high,W.of
corner. Pits impracticable.
74.00 Low ridge, brs.NE. and SW. Descend slight NW. slope to
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 and 17, marked
on brass cap,
1913 on S.rim,
T 1 S R 28 E in N.half;
S 8 in NW.,
S 9 in NE.,
S 16 in SE., and
S 17 in SW.quadrant;
and raise a mound of stone, 2 ft.base, 1½ ft. high,W.
of cor. Pits impracticable.
Land,level, rolling and hilly.
Soil, rocky, 4th rate.
No timber or undergrowth.
E. C Montgomery's ranch house, brs.S.71°W.
March 26,1914.

March 28,1914.
From the cor.of secs.8,9,16 and 17, I run,
N.89°58'E., on a random line, bet. secs.9 and 16.
40.00 Set temp.¼ sec.cor.
80.13 Intersect N and S. line, 19 lks.S.of the cor.of secs.9,
10,15 and 16, hereinbefore described.
Thence I run,
S.89°50'W., on a true line, bet. secs.9 and 16.
No timber or undergrowth. Descend SW. slope, 45 ft.to
8.00 Thence over level land.
14.25 Enter Bear Canyon, course SW.
22.25 Leave canyon; ascend east slope to
24.00 Thence over level land.
40.065 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
the ground, for ¼ sec.cor., marked on brass cap,
1913 on S.rim,
¼ S 9 in N., and
S 16 in S.half;
and raise a mound of stone, 2 ft.base, 1½ ft.high,N.
of cor. Pits impracticable.
74.00 Draw, course NW. Ascend NE. slope, 60 ft.to
78.00 Spur ridge, brs. N. Descend NW. slope, 30 ft.to
80.13 The cor.of secs. 8,9,16 and 17.
Land,level and rolling.
Soil, rocky, 4th rate.
No timber or undergrowth.
March 28, 1914.

28. Subdivision of frac. Township 1 South, Range 28 East.

Chains.

	March 27, 1914: At 8h. 57m. a.m., l.m.t., I set off $33^{\circ} 21' N.$ on the lat. arc; $2^{\circ} 27\frac{1}{2}' N.$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 8, 9, 16 and 17.
	Thence I run, West, on a true line, bet. secs. 8 and 17. No timber or undergrowth. Descend west slope, 190 ft. to
14.00	Foot of descent; thence over level land.
20.20	Wagon road, brs. NE. to Shannon's and SW. to Montgomery's ranch.
28.65	Metcalf Trail, brs. N. and S.
29.20	Wire fence, brs. N. and S.
30.00	Draw, course SW.
30.90	Irrigation ditch, course S.
32.95	Trail, brs. N. and S.
37.60	Wash, course S. Enter scattering timber, brs. N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim, $\frac{1}{4}$ S 8 on N., and S 17 in S. half; from which, A sycamore, 16 ins. in diam., brs. $N. 1\frac{1}{2}^{\circ} E.$, 204 lks. dist., marked $\frac{1}{4}$ S 8 B T. A sycamore, 18 ins. in diam., brs. $S. 88^{\circ} E.$, 53 lks. dist., marked $\frac{1}{4}$ S 17 B T.
	E. C Montgomery's ranch house, brs. $S. 49^{\circ} E.$
40.62	A sycamore, 60 ins. diam., on line.
44.00	Eagle Creek, 40 lks. wide, 6 ins. deep, course SE.
46.75	Wire fence brs. NE. and SW.
48.62	J. M. Montgomery's cabin brs. $S. 47^{\circ} W.$
52.00	Enter cultivated land, brs. N. and S.
54.70	Double Circle Ranch's irrigation ditch, course S. Leave timber, brs. N. and S.
58.70	Leave cultivated land; ascend E. slope, 25 ft.
59.85	J. M. Montgomery's cabin, brs. $S. 8^{\circ} E.$
60.00	Thence over level land.
66.60	Wire fence brs. NE. and SW.
71.00	Wagon road, brs. NE. and SW.
76.99	intersect the E. bdy. of the White Mountain Indian Reservation, 15.12 chs. south of the $38\frac{1}{2}$ mile cor., re-established by me, as described in Book "A."
	At the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing corner of secs. 8 and 17, marked on brass cap, 1913 on S. rim, C C W of center, W M I R in W. half; S 8 in NE., and T 1 S R 28 E S 17 in SE. quadrant; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, east of corner. Pits impracticable. Land, level, rolling, hilly and mountainous. Soil, 1st, 2nd and 4th rate. Timber, sycamore and cottonwood in Creek bottom. No undergrowth. Mountainous land, 10 chs.
	From the cor. of secs. 8, 9, 16 and 17, I run, $N. 0^{\circ} 2' W.$, bet. secs. 8 and 9. Through scattering timber and undergrowth. Descend NW. slope, 155 ft. to
18.00	Wash, course W. Ascend SW. slope, 10 ft. to
20.00	Spur ridge, brs. SW.; descend to
24.00	Wash, course SW. Ascend SE. slope, 40 ft. to
30.00	Spur ridge, brs. SW.; descend slight NW. slope, to
34.00	Wash, course SW. Ascend SE. slope, 90 ft.
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,

Subdivision of frac. Township 1 South, Range 28 East. 29.

Chains.

1913 on S. rim,
 $\frac{1}{4}$ S 8 in W.; and
 S 9 in E. half; from which,
 An oak, 8 ins. in diam., brs. S. $22\frac{1}{2}^{\circ}$ E., 285 lks.
 dist., marked $\frac{1}{4}$ S 9 B T.
 A cedar, 12 ins. in diam., brs. S. 63° W., 296 lks.
 dist., marked $\frac{1}{4}$ S 8 B T

46.00 Spur ridge, brs. SW. Descend NW. slope, 60 ft. to
 55.76 Wash, course W. Ascend SW. slope, 70 ft. to
 60.00 Spur ridge, brs. SW. Descend NW. slope, 15 ft. to
 63.00 Wash, course W. Ascend SW. slope, 50 ft. to
 68.00 Spur ridge, brs. W. Descend NW. slope, 95 ft. to
 76.00 Wash, course SW. Ascend SE. slope, 55 ft. to
 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 and 9, marked on
 brass cap,

1913 on S. rim,
 T 1 S R 28 E in N. half;
 S 5 in NW.,
 S 4 in NE.,
 S 9 in SE. and
 S 8 in SW. quadrant; from which,
 A cedar limb, 10 ins. in diam., brs. N. $81\frac{3}{4}^{\circ}$ E.,
 168 lks. dist., marked T 1 S R 28 E S 4 B T?
 A cedar, 12 ins. in diam., brs. S. $17\frac{1}{2}^{\circ}$ E., 136 lks.
 dist., marked T 1 S R 28 E S 9 B T.
 A cedar, 6 ins. in diam., brs. S. $48\frac{1}{2}^{\circ}$ W., 82 lks.
 dist., marked T 1 S R 28 E S 8 B T.
 A cedar limb, 6 ins. in diam., brs. N. 76° W., 8
 lks. dist., marked T 1 S R 28 E S 5 B T.

Note: At this corner, I set off $2^{\circ}29\frac{1}{2}'$ N. on the decl.
 arc; and at apparent noon, I observe the sun on
 the meridian; the resulting latitude is $33^{\circ}21\frac{1}{2}'$ N.
 Land, rolling, hilly and mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering cedar and oak.
 Undergrowth, scattering scrub oak and locust.
 Mountainous land, 34 chs.

40.00 N. $89^{\circ}50'$ E., on a random line, bet. secs. 4 and 9.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.05 Intersect N. and S. line, 23 lks. north of the corner of
 secs. 3, 4, 9 and 10, hereinbefore described.
 Thence I run,
 West, on a true line, bet. secs. 4 and 9.
 Along south slope, through scattering timber and under-
 growth.

4.00 Descend SW. slope, 100 ft. to
 11.00 Draw, course SW. Ascend SE. slope, 75 ft. to
 20.00 Thence along south slope.
 23.00 Descend SW. slope, 30 ft. to
 26.00 Head of draw, course S. Thence over level land.
 33.00 Descend NW. slope, 145 ft.
 40.025 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

1913 on S. rim,
 $\frac{1}{4}$ S 4 in N., and
 S 9 in S. half; from which,
 An oak, 6 ins. in diam., brs. N. $73\frac{1}{2}^{\circ}$ W., 105 lks.
 dist., marked $\frac{1}{4}$ S 4 B T.
 A cedar, 20 ins. in diam., brs. S. 71° E., 73
 lks. dist., marked $\frac{1}{4}$ S 9 B T.

54.00 Wash, course SW.; thence over level land.
 62.00 Draw, course SW. Thence along S. slope.
 70.00 Descend NW. slope. 80 ft. to
 77.25 Wash, course SW. Ascend SE. slope, 15 ft. to
 80.05 The cor. of secs. 4, 5, 8 and 9.
 Land, level, rolling, hilly and mountainous.
 Soil, rocky, 4th rate.

30. Subdivision of Township 1 South, Range 28 East.

Chains.

Timber, scattering cedar, pine and oak.
Undergrowth, scattering scrub oak and cacti.
Mountainous land, 28 chs.

West, on a true line, bet. secs. 5 and 8.
Along south slope, through scattering timber.

2.00 Descend SW. slope, 30 ft. to
10.00 Descend W. slope, 40 ft. to
26.50 Draw, course SW. Thence along south slope.
32.00 Ascend SE. slope, 20
34.00 Spur ridge, brs. S.
Leave timber, brs. NE. and SW. Descend SW. slope, 20 ft. to
39.90 Small draw, course SW.; ascend.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
1913 on S. rim,
 $\frac{1}{4}$ S 5 in N., and
S 8 in S. half;
and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of
cor. Pits impracticable.

46.00 Ascend SE. slope, 30 ft. to
Spur ridge, brs. SW. Descend W. slope, 40 ft. to
50.00 Enter Creek bottom.
53.20 Irrigation ditch, 2 ft. wide, 16 ins. deep, course SE.
B. Shannon's ranch house brs. S. about 4 chs. dist.
53.55 Wire fence brs. NW. and SE. Enter garden.
55.30 Wire fence brs. NE. and SW. Leave garden.
55.95 Wagon road, brs. NW. and SE. Enter scattering timber, brs.
N. and S.
58.25 Montgomery's irrigation ditch, 2 ft. wide, 18 ins. deep,
course SE.
58.40 Eagle Creek, 20 lks. wide, 8 ins. deep, course S.
61.55 Wire fence brs. N. and S.
65.15 Wire fence brs. N. and S. Enter orchard; leave timber.
66.00 Davis' house brs. N. about 8 chs. dist.
67.67 Wire fence brs. N. and S. Leave orchard and enter pasture.
70.00 Ascend slight east slope.
75.35 Wire fence brs. NW. and SE. Leave pasture.
76.89 Intersect the east bdy. of the White Mountain Indian Res-
ervation, 14.95 chs. south of the $37\frac{1}{2}$ mile cor., re-
established by me, as described in Book "C."
At the point of intersection, set an iron post, 3 ft. long,
2 ins. in diam., 24 ins. in the ground, for closing
corner of secs. 5 and 8, marked on brass cap,
1913 on S. rim,
C C W. of center,
W M I R in W. half;
S 5 in NE., and
T 1 S R 28 E S 8 in SE. quadrant;
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E.
of cor. Pits impracticable.

Land, level, rolling and hilly.
Soil, 1st and 4th rate,
Timber, scattering cedar and oak on 1st 30 chs.; sycamore
and cottonwood in Creek bottom.
No undergrowth.

N. 0° 2' W., on a true line, bet. secs. 4 and 5.
Through scattering timber and undergrowth. Ascend SE.
slope, 40 ft. to

4.00 Thence along east slope to
10.00 Head of draw, course SE. Ascend S. slope, 30 ft. to
14.00 Thence along west slope to
20.00 Descend N. slope, 75 ft. to

Book 2775

Subdivision of frac. Township 1 S^uth. Range 28 East 31.

Chains.

29.50 Draw, course west. Ascend SW. slope, 15 ft. to
30.00 Thence over level land.
37.00 Descend NW. slope, 15 ft. to
40.00 Gulch, course SW.; ascend. Point for $\frac{1}{4}$ sec. cor.
42.00 Set an iron post $\frac{3}{4}$ ft. long, 1 in. in diam., 26 ins. in
the ground, for witness cor. to $\frac{1}{4}$ s ec. cor., marked on
brass cap,
W C $\frac{1}{4}$ $\frac{1}{2}$ in N. half;
1913 on S. rim,
S 4 in SE., and
S 5 in SW. quadrant; from which,
An oak, 8 ins. in diam., brs. N. 78° E., 13 lks.
dist., marked W C $\frac{1}{4}$ S 4 B T.
An oak, 10 ins. in diam., brs. S. $11\frac{1}{2}^{\circ}$ W., 98 lks.
dist., marked W C $\frac{1}{4}$ S 5 B T.

Ascend SE. slope, 60 ft. to
50.00 Thence over level land.
56.00 Ascend S. slope, 50 ft. to
62.00 Ridge, brs. NE and SW. Descend N. slope, 35 ft. to
66.00 Wash, course W. Ascend SW. slope, 40 ft. to
69.08 Intersect the N. bdy. of Tp. (G. & S. R. Base Line) 2.02 chs.
west of the standard cor.

Subdivision of Fractional T. 1 S. 2 R. 28 E. 2

Chains

of secs. 31 and 32, reestablished by me as shown in U.S.G.S. description in book "B" of the 1st 1/2 sec. 31.

At the point of intersection, set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 4 and 5, marked on brass cap; 1913 on S. rim, CC S. of center; T1N R28E S31, S32 in N. half; S4 in SE. and S5 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor. Pits impracticable.

Land, level, rolling, hilly and mountainous.
 Soil, rocky 4th rate.
 Timber, scattering oak, and cedar.
 Undergrowth, scattering scruboak.
 Mountainous land, 10 chs.

Mar. 27, 1914.

General Description.

This township contains nearly every variety of land, from plains to mountains, and the soil ranges from very stony to rich sandy loam. The soil of the bottom lands along Eagle creek is rich sandy loam, capable of producing abundant crops with irrigation. The soil of the remaining portion of the township is mostly gumbo and rocks, 2nd to 4th rate, and is covered with a short nutritious grass, fairly good grazing.

Cottonwood, Sycamore, Walnut, Ash and Oak along Eagle Creek and in some of the gulchs, with some scattering Cedar, Oak and Juniper on the hills and mountains.

Eagle creek has water all the year, there are several settlers along this creek.

William B. Himmel.

U.S. Surveyor.

Boundaries of Fractional Tp. 1. S., R. 28. E.

Latitudes, departures and closing errors

Line designated	True course	Dist.	Latitudes		Departures	
			N.	S.	E.	W.
South boundary	West	397.10				397.10
West boundary, (E. bdy. of W.M.I.R.)	North	468.90	468.90			
North boundary, (G. & S.R. Base Line)	East	397.20			397.20	
East Bdy.	South	469.56		469.56		
Convergency.					.39	
Totals			468.90	469.56	397.59	397.10
				468.90	397.10	
Error in lat.			0.66			
Error in departure					0.49	

William B. Kimmel
U.S. Surveyor.

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34
2775

FOR FINAL OATH OF UNITED STATES SURVEYOR.
See Book "D"

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona June 19____, 1915

The foregoing field notes of the survey of the _____
Subdivision Lines of
Fractional Township 1 South Range 28 East
of the Gila and Salt River Base and Meridian
In the State of Arizona

executed by William B. Kimmel U.S. Surveyor
under his special instructions dated February 18, 1913 for Group 26, ~~401~~, 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.
OF ARIZONA.

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