

BOOK 2688

4-679

OCT. 4 - 1913
Accepted - G.L.O. "E"
Apr. 28 - 1915

2688

BOOK J^o

2688

Subdivisions
FIELD NOTES

BOOK 2688

OF THE SURVEY OF THE

Subdivision lines of

TOWNSHIP 23 NORTH, RANGE 11 WEST

of the Gila & Salt River Base & Meridian,

In the State of ARIZONA

EXECUTED BY

H. N. BRADSTREET, U.S. Transitman

&

WILLIAM B. KIMMEL, U.S. Surveyor

~~In the capacity of U.S. Surveyor~~, under instructions dated October 18, 1912,

issued by the United States Surveyor General to govern surveys included in
Group No. 24, which were approved by the Commissioner of the General Land

Office, November 5, 1912, pursuant to authority contained in the Act of

Congress dated June 25, 1910

Survey commenced April 23, 1913

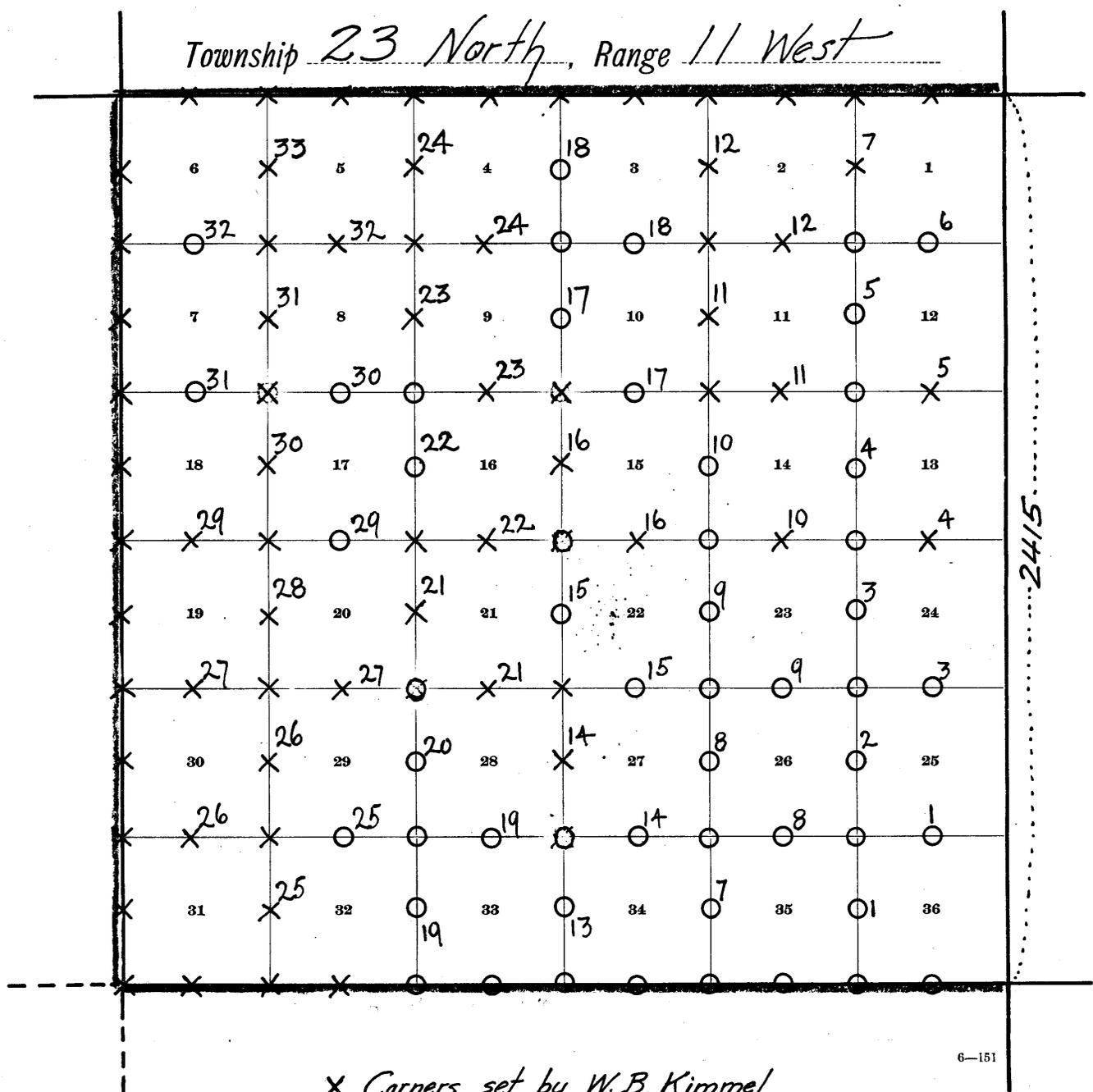
Survey completed May 6, 1913

1A

BOOK 2688

INDEX DIAGRAM.

Township 23 North, Range 11 West



X Corners set by W.B. Kimmel
 O " " " H.N. Bradstreet
 — Book "M"

Chains.

Survey commenced April 23, 1913, and executed with Young & Sons Light Mountain Transits Nos. 7695 and 8541 with Smith Solar Attachment. For description of instruments and certificate of approval, see book "O", page 1. Knowing from recent and repeated tests of these transits on a true mer., established by Polaris observation, that they are in adjustment, we proceed to the subdivision of T 23 N., R. 11 W.

NOTE: Initials "W.B.K." and "H.N.B." throughout the following notes indicate surveys by William B. Kimmel, U.S. Surveyor and H.N. Bradstreet, U.S. Transitman, respectively. April 23, 1913.

H.N.B.

April, 28, 1913. At 8 hrs. 20 m. a.m. l.m.t., I set off $35^{\circ}20'$ N. on the lat. arc; $14^{\circ}7'$ N. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 235 and 36 on the S. bdy. of the Tp. recently established by me as described in book "M", page 62.

Thence I run

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

Asc. S. slope through scattering timber and dense undergrowth.

17.00 Top of hill, 50 ft. above cor. Desc. NW. slope 85 ft. Enter heavy timber.

26.00 End of descent. Draw, 50 lks. wide, course E. Thence along E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S35 in W. and S36 in E. half; from whichA pinion, 6 ins. diam, brs. S. 66° E., 55 lks. dist., marked $\frac{1}{4}$ S36 BT.A pinion, 12 ins. diam, brs. S. $12\frac{1}{2}^{\circ}$ W., 56 lks. dist., marked $\frac{1}{4}$ S35 BT.

44.00 Draw, 50 lks. wide, course E. Asc. SE. slope 85 ft.

54.00 Ridge, brs. E. and W. Desc. NE. slope 80 ft.

68.50 End of desc. Draw, 30 lks. wide, course E. Thence over rolling land.

80.00 Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap, 1913;

T23N R11W in N. half;

S26 in NW.,

S25 in NE.,

S36 in SE. and

S35 in SW., from which

A cedar limb, 9 ins. diam, brs. N., $43\frac{3}{4}^{\circ}$ E., 99 lks. dist., marked T23N R11W S25 BT.A cedar, 9 ins. diam, brs. S. $50\frac{1}{4}^{\circ}$ E., 80 lks. dist., marked T23N R11W S36 BT.A pinion, 12 ins. diam., brs. S. $52\frac{1}{4}^{\circ}$ W., 231 lks. dist., marked T23N R11W S35 BT.A pinion, 10 ins. diam, brs. N. $39\frac{1}{4}^{\circ}$ W., 145 lks. dist., marked T23N R11W S26 BT.

Land, rolling and hilly.

Soil, rocky, 4th rate, gumbo.

Timber, scrub cedar and pinion.

Heavily timbered land, 60 chs.

NOTE: At this corner I set off $14^{\circ}9'$ N. on the decl. arc; and at noon, I observe the sun on the meridian. The resulting lat. is $35^{\circ}21'$ N., which is slightly higher than the correct lat.

~~S. 29 52 1/2~~ on a random line, bet. secs. 25 and 36.

40.00 Set temp. $\frac{1}{4}$ sec. cor.80.10 Intersect E. bdy. of Tp., 7 lks. N. of the ^{old} cor. of secs. 25, 30, 31 and 36; which is an iron post, 3 ins. diam. 12 ins. above ground, marked ^{BRASS CAP} and witnessed as described by the Surveyor General.

Thence I run

N. $89^{\circ}49'$ W., on a true line, bet. secs. 25 and 36.

Over level land, through scattering timber and dense undergrowth.

13.00 Wash, 45 lks. wide, 2 ft. deep, course SE.

Chains.	
20.00	Leave timber, brs. N. and S.
	Wash, 40 lks. wide, 2 ft. deep, course ENE.
40.05	Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S25 in N. and S36 in S. half; from which
	A cedar, 20 ins. diam, brs. N. $34\frac{1}{4}^{\circ}$ W., 60 lks. dist., marked $\frac{1}{4}$ S25 BT.
	A cedar, 22 ins. diam, brs. S. 44° W., 22 lks. dist., marked $\frac{1}{4}$ S36 BT.
56.00	Enter heavy cedar and pinion timber. Thence along N. slope.
67.25	Asc. slight E. slope.
80.10	The cor. of secs. 25, 26, 35 and 36. Land, level and rolling. Soil, sandy loam, 3rd rate on flat; subsoil hard pan. at 12 ins. depth. Timber, heavy scrub cedar and pinion. Undergrowth, scrub oak and buck brush. Heavily timbered land, 40 chs.
	April 28, 1913.
	April 29, 1913. At 7 hrs. 55 m. a.m. l.m.t., I set off $35^{\circ}21'$ N. on the lat. arc; $14^{\circ}25'$ N on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 25; 26, 35 and 36, Thence I run
	N. $0^{\circ}1'$ W. bet. secs. 25 and 26.
	Asc. slight S. slope, through scattering timber and undergrowth.
12.00	Low ridge, brs. E. and W. Desc. N. slope 50 ft.
30.00	Draw, 1 ch. wide, course E.
34.00	Low ridge, brs. E. and W.
37.25	Wash, 30 lks. wide, 4 ft. deep, course E. Leave timber and undergrowth, brs. E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S26 in W. and S25 in E. half; from which
	A pinion, 7 ins. diam, brs. S. $20\frac{3}{4}^{\circ}$ E., 231 lks. dist., marked $\frac{1}{4}$ S25 BT.
	A cedar, 12 ins. diam, brs. S. $41\frac{1}{4}^{\circ}$ E., 141 lks. dist., marked $\frac{1}{4}$ S26 BT.
48.00	Enter scattering timber and undergrowth, brs. E. and W. Asc. slight SW. slope 35 ft
60.00	Enter heavy buck brush and scrub oak undergrowth.
62.00	Top of asc. Thence along W. slope.
66.00	Draw, course W. Asc. SW. slope 50 ft.
74.00	Top of asc. Thence along W. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap, 1913; T23N R11W in N. half; S23 in NW., S24 in NE., S25 in SE. and S26 in SW. quadrant; And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. <i>No bearing trees within limits.</i> Land, rolling and hilly. Soil, rocky, 4th rate, limestone formation? Timber, scrub cedar and pinion. Undergrowth, scrub oak and buck brush. Dense undergrowth, 40 chs.

NOTE:— At this corner, I set off $14^{\circ}28'$ N. on the decl. arc; and at hours, I observe the sun on the meridian. The resulting lat. is $35^{\circ}21\frac{1}{2}'$ N, which is slightly less than the correct lat.

Chains
 40.00 S. 89°49' E. on a random line, bet. secs. 24 and 25.
 80.15 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. bdy. of Tp., 14 lks. N. of the ^{old} cor. of secs.
 19, 24, 25 and 30, which is an iron post, 3 ins.ⁱⁿ diam, 12
 ins. above ground, marked ^{on} ^{BRASS CAP} and witnessed as described
 by the Surveyor General.
 Thence I run
 N. 89°43' W., on a true line, bet. secs. 24 and 25.
 Over rolling land, through heavy timber, and dense under-
 growth.
 6.00 Asc. E. slope, 215 ft.
 20.00 Leave heavy timber, brs. NE. and SW. Enter heavy under-
 growth.
 30.00 Top of asc. Thence along N. slope.
 38.00 Rocky ridge, brs. NW. and SE. Desc. SW. slope, 115 ft.
 40.075 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;
 $\frac{1}{4}$ S24 in N. and
 S25 in S. half; from which
 A cedar, 18 ins.ⁱⁿ diam, brs. N. 70° W., 42 lks. dist., marked
 $\frac{1}{4}$ S24 BT.
 A cedar, 15 ins.ⁱⁿ diam, brs. S. 18 $\frac{1}{2}$ ° E., 116 lks. dist.,
 marked $\frac{1}{4}$ S25 BT.
 42.00 Enter scattering timber, brs. NE. and SW.
 50.00 Foot of desc. Leave scattering timber, brs. NE. and SW.
 Thence across draw.
 58.00 Leave draw, asc. SE. slope 105 ft. Enter timber, brs.
 NE. and SW.
 62.00 Leave timber, brs. NE. and SW.
 72.00 Top of asc. Desc. W. slope, 85 ft.
 80.15 The cor. of secs. 23, 24, 25 and 26.
 Land, mountainous and hilly.
 Soil, rocky, 4th rate; gumbo and limestone formation.
 Timber, cedar and pinion.
 Undergrowth, buck brush.
 Heavily timbered land, 25 chs.

N. 0°1' W. bet. secs. 23 and 24.
 Along W. slope, through scattering timber and dense
 undergrowth.
 12.00 Low ridge, brs. E. and W. Desc. NW. slope 35 ft.
 19.35 Gulch, 15 lks. wide, 4 ft. deep, course NE.
 19.40 Trail, brs. NE. and SW. Asc. SE. slope 60 ft.
 36.00 Top of asc.; thence along E. slope.
 40.00 Enter scattering timber, brs. E. and 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;
 $\frac{1}{4}$ S23 in W. and
 S24 in E. half; from which
 A cedar, 16 ins.ⁱⁿ diam, brs. N. 84 $\frac{3}{4}$ ° E., 24 lks. dist.,
 marked $\frac{1}{4}$ S24 BT.
 A cedar, 17 ins.ⁱⁿ diam, brs. N. 86° W., 92 lks. dist.,
 marked $\frac{1}{4}$ S23 BT.
 April 29, 1913.
 April 30, 1913. At 8 hrs. 3 m. a.m. l.m.t., I set off
 35°22' N. on the lat. arc; 14°44' N. on the decl.
 arc; and determine a meridian with the solar, at the $\frac{1}{4}$ sec.
 cor. bet. secs. 23 and 24, above described.
 Thence I continue
 N. 0°1' W., bet. secs. 23 and 24.
 42.00 Desc. gradual NE. slope.
 48.00 Desc. NW. slope 85 ft.
 60.00 Head of draw, course NW. Thence over rolling land.
 72.00 Desc. NW. slope, 60 ft.
 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;
 T23N R11W in N. half;
 S14 in NW.,
 S13 in NE.,
 S24 in SE. and
 S23 in SW. quadrant; from which,

Chains	
	<p>A cedar, 22 ins.ⁱⁿ diam, brs. N. 85° E., 432 lks. dist., marked T23N R11W S13 BT.</p> <p>A cedar, 20 ins.ⁱⁿ diam, brs. S. 33½° E., 131 lks. dist., marked T23N R11W S24 BT.</p> <p>A cedar, 30 ins.ⁱⁿ diam, brs. S. 72° W., 242 lks. dist., marked T23N R11W S23 BT.</p> <p>A cedar, 14 ins.ⁱⁿ diam, brs. N. 2¾° W., 327 lks. dist., marked T23N R11W S14 BT.</p> <p>Land, rolling and hilly.</p> <p>Soil, rocky 4th rate, limestone formation.</p> <p>Timber, scrub cedar and pinion.</p> <p>Undergrowth, buck brush and scrub oak.</p> <p style="text-align: right;"><i>H.N.B.</i></p>
	<p><i>W.B.K.</i></p> <p>S. 89° 43' E., on a random line, bet. secs. 13 and 24.</p> <p>40.00 Set temp. ¼ sec. cor.</p> <p>80.32 Intersect E. bdy. of Tp., 2 lks. N. of the ^{old} cor. of secs. 13, 18, 19 and 24, which is an iron post, 3 ins.ⁱⁿ diam, 12 ins. above ground, marked ^{ON BRASS CAP} and witnessed as described by the Surveyor General.</p> <p>Thence I run</p> <p>N. 89° 42' W., on a true line, bet. secs. 13 and 24.</p> <p>Over rolling land.</p> <p>11.22 Wash, 7 lks. wide, 1 ft. deep, course NE.</p> <p>16.30 Enter timber, and undergrowth, brs. NE. and SW. Asc. SE. slope 115 ft.</p> <p>40.16 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; ¼ S13 in N. and ¼ S24 in S. half; from which</p> <p>A cedar, 8 ins.ⁱⁿ diam brs. N. 51½° E., 59 lks. dist., marked ¼ S13 BT.</p> <p>A cedar, 16 ins.ⁱⁿ diam, brs. S. 7½° E., 163 lks. dist., marked ¼ S24 BT.</p> <p>40.30 Ridge, brs. NE. and SW. Desc. NW. slope 100 ft.</p> <p>57.25 Draw, course NE. Asc. E. slope 55 ft.</p> <p>68.00 Ridge, brs. NE. and SW. Desc. NW. slope 65 ft.</p> <p>80.32 The cor. of secs. 13, 14, 23 and 24.</p> <p>Land, rolling and hilly.</p> <p>Soil, rocky, gumbo, 3rd and 4th rate.</p> <p>Timber, scrub cedar and pinion.</p> <p>Undergrowth, buck brush, and scrub oak.</p> <p style="text-align: right;"><i>W.B.K.</i></p>
	<p><i>H.N.B.</i></p> <p>N. 0° 1' W. bet. secs. 13 and 14.</p> <p>Desc. NW. slope, through scattering timber and undergrowth:</p> <p>8.35 Draw, 50 lks. wide, course NE. Asc. SE. slope 25 ft.</p> <p>17.35 NW. cor. of corral, brs. N. 49° 9' E., about 15 chs. dist. Corral extends 6 chs. S. and 4 chs. E.</p> <p>18.00 Top of asc. E. end of spur ridge, brs. E. and W. Desc. slight NE. slope 40 ft.</p> <p>28.00 Foot of desc; thence over level land. Enter heavy timber, brs. E. and W.</p> <p>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; ¼ S14 in W. and ¼ S13 in E. half; from which</p> <p>A cedar, 19 ins.ⁱⁿ diam, brs. S. 74° E., 77 lks. dist., marked ¼ S13 BT.</p> <p>A cedar, 20 ins.ⁱⁿ diam, brs. S. 70¼° W., 42 lks. dist., marked ¼ S14 BT.</p> <p>Leave timber, brs. NE. and SW.</p> <p>53.80 Road, Hutchinson's Sheep Tank to Nelson, brs. E. and W.</p> <p>57.00 Draw, 3 chs. wide, course NE. Asc. SW. slope 85 ft. Enter heavy timber, brs. E. and W.</p> <p>70.00 End of asc; thence along W. slope.</p> <p>76.00 Asc. SW. slope 40 ft.</p> <p>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; T23N R11W in N. half;</p>

Subdivision of T. 23 N., R. 11 W.

Chains.

S11 in NW.,
 S12 in NE.,
 S13 in SE. and
 S14 in SW. quadrant; from which
 A cedar, 12 ins.ⁿ diam, brs. N. 82½° E., 26 lks. dist.,
 marked T23N R11W S12 BT.
 A pinion, 9 ins.ⁿ diam, brs. S. 61½° E., 51 lks. dist.,
 marked T23N R11W S13 BT.
 A cedar, 8 ins.ⁿ diam, brs. S. 64½° W., 62 lks. dist.,
 marked T23N R11W S14 BT.
 A pinion, 7 ins.ⁿ diam, brs. N. 12° W., 43 lks. dist.,
 marked T23N R11W S11 BT.
 Land, rolling and hilly.
 Soil, rocky, 4th rate on slopes, sandy loam, 3rd rate on
 flat.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak and buck brush.

NOTE: - At this corner, I set off 14° 46½' N. on the decl. arc;
 and at noon, I observe the
 sun on the meridian the resulting lat. is 35° 23½' N.,
 which is correct.

H.N.B.

W.B.K.

40.00
80.34

S. 89° 42' E. on a random line, bet. secs. 12 and 13.
 Set temp. ¼ sec. cor.,
 Intersect. E. bdy. of Tp., 5 lks. N. of the cor. of
 secs. 7, 12, 13 and 18, which is an iron post
 3 ins.ⁿ diam, 12 ins. above ground, marked ^{ON BRASS CAP} and witnessed
 as described by the Surveyor General.

Thence I run
 N. 89° 40' W., on a true line, between secs. 12 and 13.
 Desc. W. slope, 45 ft., through heavy timber and dense
 undergrowth.

7.35
10.10
10.60
14.35
27.80
28.95
32.00
35.45

Leave heavy timber and undergrowth, brs. N. and S.
 Old road, brs. N. and S.
 Draw, 2 chs. wide, course N. Thence over rolling land.
 Low spur ridge, brs. N. and S.
 Old road, brs. NE. and SW., in valley, 10 chs. wide.
 Wash, 15 lks. wide, 2 ft. deep, course NE.
 Leave valley, brs. NE. and SW. Asc. SE. slope, 240 ft.
 Enter timber, and undergrowth, brs. NE. and SW.

40.17

Cliff, 6 ft. high, brs. N. 80° E. and S. 80° W.
 Set an iron post, 3 ft. long, 1 in.ⁿ diam, 26 ins. in the
 ground for ¼ sec. cor., marked on brass cap, 1913;

¼ S12 in N. and
 S13 in S. half; from which
 A cedar, 20 ins.ⁿ diam, brs. N. 72½° W., 82 lks. dist.,
 marked ¼ S12 BT.
 A pinion, 12 ins.ⁿ diam, brs. S. 19½° W., 26 lks. dist.,
 marked ¼ S13 BT.

68.35
74.35
80.34

Slope changes to E.
 Spur ridge, brs. NW. and SE. Desc. SW. slope 40 ft.
 The cor. of secs. 11, 12, 13 and 14.
 Land, rolling and mountainous.
 Soil, rocky, clay and gumbo, 2nd to 4th rate.
 Timber, cedar and pinion.
 Undergrowth, buck brush and scrub oak.

W.B.K.

H.N.B.

N. 0° 1' W. bet. secs. 11 and 12.
 Asc. SW. slope, 35 ft. through scattering timber and
 dense undergrowth.
 Ridge, brs. E. and W. Thence over rolling land.
 Head of draw, course NE.
 Desc. N. slope, 140 ft.
 Leave timber, brs. E. and W.
 End of desc. Draw, 2 chs. wide, course E.
 Set an iron post, 3 ft. long, 1 in.ⁿ diam, 26 ins. in
 the ground, for ¼ sec. cor., marked on brass cap, 1913;
 ¼ S11 in W. and
 S12 in E. half; from which,

5.00
9.00
20.00
38.00
39.00
40.00

Chains.	<p>A cedar, 36 ins.^m diam, brs. N. 70$\frac{3}{4}$° E., 88 lks. dist., marked $\frac{1}{4}$S12 BT. No other trees within limits. Raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Enter timber, brs. NW. and SE. Asc. SW. slope 115 ft. Ridge, brs. N. and S. Continue asc. Top of asc. Ridge brs. NW. and SE. Desc. NE. slope 40 ft. Draw, 3 chs. wide, course E. Asc. SE. slope 30 ft. Set an iron post, 3 ft. long, 2 ins.^m diam, 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap, 1913; T23N R11W in N. half; S2 in NW., S1 in NE., S12 in SE., and S11 in SW. quadrant; from which</p> <p>A cedar, 22 ins.^m diam, brs. N. 16$\frac{1}{2}$° E., 83 lks. dist., marked T23N R11W S1 BT. A cedar, 10 ins.^m diam, brs. S. 12° E., 32 lks. dist., marked T23N R11W S12 BT. A cedar limb, 12 ins.^m diam, brs. S. 62$\frac{1}{2}$° W., 22 lks. dist., marked T23N R11W S11 BT. A cedar limb, 15 ins.^m diam, brs. N. 47° W., 120 lks. dist., marked T23N R11W S2 BT. Land, rolling and hilly. Soil, rocky, 4th rate. Timber, scrub cedar and pinion. Undergrowth, buck brush and scrub oak.</p>
41.00	
48.00	
65.00	
76.00	
80.00	
<hr/>	
40.00	S. 89° 40' W. on a random line, bet. secs. 1 and 12.
80.42	Set temp. $\frac{1}{4}$ sec. cor. Intersect E. bdy. of Tp., 5 lks. S. of the ^{old} cor. of secs. 1, 6, 7, and 12, which is an iron post, 3 ins. ^m diam, 12 ins. above ground, marked ^{BRASS CAP} and witnessed as described by the Surveyor General. Thence I run N. 89° 42' W., on a true line, bet. secs. 1 and 12. Over rolling land, etc., through heavy timber, and dense undergrowth. Gulch, 50 lks. wide, course S. 80° E., Gulch, 40 lks. wide, course NE. Asc. E. slope 125 ft. Top of asc.; thence over rolling land. Set an iron post, 3 ft. long, 1 in. ^m diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S1 in N. and $\frac{1}{4}$ S12 in S. half; from which A cedar, 5 ins. ^m diam, brs. N. 58 $\frac{1}{4}$ ° W., 32 lks. dist., marked $\frac{1}{4}$ S1 BT. A cedar, 6 ins. diam, brs. S. 58° W., 16 lks. dist., marked $\frac{1}{4}$ S12 BT.
.85	Head of gulch, course NE.
6.50	Ridge, brs. NW. and SE. Desc. SW slope, 50 ft.
14.40	The cor. of secs. 1, 2, 11 and 12.
40.21	Land, rolling and mountainous. Soil, rocky, 4th rate, gumbo. Timber, scrub cedar and pinion. Undergrowth, buck brush and scrub oak. Mountainous and heavily timbered land 80 chs. H.N.B. April 30, 1913.

	W.B.K.
	May 1, 1913.
40.00	N. 0° 1' W. on a random line, bet. secs. 1 and 2.
79.55	Set temp. $\frac{1}{4}$ sec. cor. Intersect the N. bdy. of the Tp., 44 lks. N. 89° 57' W. of the cor. of secs. 35, 36, 1 and 2, recently established by means described in book "M", page 53. Thence I run S. 0° 18' W., on a true line, bet. secs. 1 and 2. Desc. SE. slope 100 ft., through heavy timber and dense undergrowth. Gulch, course NE. Asc. NW. slope 180 ft.
7.35	

Subdivision of T. 23 N., R. 11 W.

Chains.
 23.55 Spur ridge, brs. NE. and SW. Asc. NE. slope 100 ft.
 39.55 Set an iron post, 3 ft. long, 1 in.ⁿdiam, 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S2 in W., and
 S1 in E. half; from which
 A cedar, 6 ins.ⁿdiam, brs. N.30° E., 9 lks. dist.,
 marked $\frac{1}{4}$ S1 BT.
 A cedar, 12 ins.ⁿdiam, brs. N.76° W., 30 lks. dist.,
 marked $\frac{1}{4}$ S2 BT.
 49.55 Top of asc.; thence over rolling land.
 54.85 Head of gulch, course N.20 E. Asc. N. slope 65 ft.
 73.50 Top of asc. brs. NW. and SE. Desc. SW slope 50 ft.
 79.55 The cor of secs. 1, 2, 11 and 12.
 Land, hilly and mountainous.
 Soil, rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak and buck brush.
 W.B.K.
 May 1, 1913.

H.N.B.

April 25, 1913. At 8hrs. 15m. a.m., l.m.t., I set off
 $35^{\circ}20'N.$, on the lat. arc; $13^{\circ}9'N.$ on the decl. arc;
 and determine a meridian with the solar at the cor. of secs.
 34, 35, 1 and 3, on the S. boy. of the TP, recently established
 by me as described in Book "M" page 61. Thence I run,
 N.0 1'W., bet. secs. 34 and 35.
 Asc. slight SW. slope, through scattering cedar timber,
 and scrub oak undergrowth.
 88.00 Ridge, brs. NW. and SE. Asc SE. slope.
 18.60 Top of asc. Ledge of limestone rock brs. NE. and SW.
 Thence along E. slope.
 40.00 Set an iron post, 3 ft. long, 1 in.ⁿdiam, 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S34 in W., and
 S35 in E. half; from which
 A cedar, 5 ins.ⁿdiam, brs. N.80 $\frac{1}{2}$ ° E., 26 lks. dist.,
 marked $\frac{1}{4}$ S35 BT.
 A cedar, 7 ins.ⁿdiam, brs. S. 31 $\frac{1}{2}$ ° W., 95 lks. dist.,
 marked $\frac{1}{4}$ S34 BT.
 Top of hill brs. W. about 10 chs. dist. Desc. slight
 NE. slope.
 49.00 End of desc.; gulch, 15 lks. wide, course SE. Asc. SE.
 slope, 125 ft.
 64.00 Top of asc.; thence along E. slope.
 70.00 Desc. slight NW. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins.ⁿdiam, 24 ins. in
 the ground, for cor. of secs. 26, 27, 34 and 35,
 marked on brass cap, 1913;
 T23N R11W in N. half;
 S27 in NW.,
 S26 in NE.,
 S35 in SE., and
 S34 in SW. quadrant; from which
 A cedar, 10 ins.ⁿdiam, brs. N.40 $\frac{3}{4}$ ° E., 89 lks. dist.,
 marked T23N R11W S26 BT.
 A cedar, 17 ins.ⁿdiam, brs. S.73° E., 72 lks. dist.,
 marked T23N R11W S35 BT.
 A cedar, 26 ins.ⁿdiam, brs. S.59 $\frac{1}{2}$ ° W., 17 lks. dist.,
 marked T23N R11W S34 BT.
 A cedar, 18 ins.ⁿdiam, brs. N.53 $\frac{1}{2}$ ° W., 92 lks. dist.,
 marked T23N R11W S27 BT.
 Land, rolling and hilly.
 Soil very rocky 4th rate, gumbo.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak.
 NOTE - At this corner, I set off $13^{\circ}11\frac{1}{2}'N.$ on the decl. arc,
 and at noon, I observe the sun on
 the meridian. The resulting lat. is $35^{\circ}21'N.$, which is
 slightly higher than the correct lat.

April 25, 1913

Chains.

April 28, 1913.
 S. 89° 52' E. on a random line, bet. secs. 26 and 35.
 Set temp. $\frac{1}{4}$ sec. cor.
 40.00 Intersect N. and S. line, 9 lks. N. of the cor. of
 80.02 secs. 25, 26, 35 and 36,
 Thence I run
 N. 89° 48' W., on a true line, bet. secs. 26 and 35.
 Asc. slight E. slope, through scattering timber and
 undergrowth,
 8.00 Enter heavy timber, brs. N. and S.
 19.00 End of asc., ridge brs. N. and S.; 90 ft. above cor.
 Desc. W. slope 30 ft.
 22.50 Draw, 1 ch. wide, course NE. Asc. SE. slope, 125 ft.
 33.00 Ridge, brs. NW. and SE. Desc. SW. slope, 30 ft.,
 40.01 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S26 in N. and
 $\frac{1}{4}$ S35 in S. half; from which
 A cedar, 8 ins. diam, brs. N. 40° E., 49 lks. dist.,
 marked $\frac{1}{4}$ S26 BT.
 A cedar, 12 ins. diam, brs. S. 55 $\frac{1}{2}$ ° W., 80 lks. dist.,
 marked $\frac{1}{4}$ S35 BT.
 43.00 Asc. SE. slope, 115 ft.
 58.00 Top of asc.; thence over level land.
 62.00 Sheep-counting corral.
 80.02 The cor. of secs., 26, 27, 34 and 35.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pinion.
 Undergrowth, scrub oak and buck brush.
 April, 28, 1913.

April, 26, 1913. At 7 hrs. 58' m. a.m., l.m.t., I set
 off 35° 21' N. on the lat. arc; 13° 28' N. on the decl.
 arc; and determine a meridian with the solar, at the cor.
 of secs. 26, 27, 34 and 35.
 Thence I run
 N. 0° 1' W., bet. secs. 26 and 27.
 Desc. slight NW. slope, through heavy timber.
 8.00 Thence along W. slope.
 34.00 Gulch, 10 lks. wide, 2 ft. deep, course NW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S27 in W. and
 $\frac{1}{4}$ S26 in E. half; from which
 A cedar, 8 ins. diam, brs. N. 40° E., 43 lks. dist.,
 marked $\frac{1}{4}$ S26 BT.
 A cedar, 12 ins. diam, brs. S. 42 $\frac{1}{2}$ ° W., 82 lks. dist.,
 marked $\frac{1}{4}$ S27 BT.
 45.00 Low ridge, brs. E. and W. Desc. NW. slope, 40 ft.
 55.00 Gulch, course W.
 58.00 Spur ridge runs 4 chs. W., brs. E. and W. Thence over
 rolling land.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in
 the ground, for cor. of secs. 22, 23, 26 and 27,
 marked on brass cap, 1913;
 T23N R11W in N. half;
 S22 in NW.,
 S23 in NE.,
 S26 in SE., and
 S27 in SW. quadrant; from which
 A cedar, 18 ins. diam, brs. N. 39 $\frac{1}{2}$ ° E., 21 lks. dist.,
 marked T23N R11W S23 BT.
 A cedar, 16 ins. diam, brs. S. 84 $\frac{1}{2}$ ° E., 3 lks. dist.,
 marked T23N R11W S26 BT.
 A cedar, 15 ins. diam, brs. S. 84 $\frac{1}{2}$ ° W., 9 lks. dist.,
 marked T23N R11W S27 BT.
 A pinion, 9 ins. diam, brs. N. 76 $\frac{1}{2}$ ° W., 43 lks. dist.,
 marked T23N R11W S22 BT.

Subdivision of T. 23 N., R. 11 W.

Chains.

Land, level and rolling.
Soil, rocky, 4th rate, gumbo.
Timber, scrub cedar and pinion.
Undergrowth, buck brush.
Heavily timbered land, 80 chs.

April 26, 1913.

April 29, 1913.

40.00

S. 89° 48' E. on a random line, bet. secs. 23 and 26.

79.98

Set temp. $\frac{1}{4}$ sec. cor.Intersect N. and S. line at the cor. of secs. 23, 24, 25
and 26,

Thence I run

N. 89° 48' W., on a true line, bet. secs. 23 and 26.

3.50

Desc. W. slope 45 ft., through dense undergrowth.

16.00

Gulch, 20 lks. wide, course S. Asc. E. slope 115 ft.

24.00

Top of asc.; thence along S. slope.

39.99

Asc. SE. slope, 150 ft.

Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S23 in N. and

S26 in S. half; from which

A cedar, 16 ins. diam, brs. N. 68 $\frac{3}{4}$ ° E., 64 lks. dist.,
marked $\frac{1}{4}$ S23 BT.A cedar, 48 ins. diam, brs. S. 45 $\frac{1}{2}$ ° E., 128 lks. dist.,
marked $\frac{1}{4}$ S26 BT.

41.00

Ridge, brs. N. and S. Thence over rolling land.

68.00

Desc. W. slope, 90 ft.

71.00

Enter heavy timber, brs. NE. and SW.

79.98

The cor. of secs. 22, 23, 26 and 27.

Land, rolling and mountainous.

Soil, rocky, 4th rate, gumbo.

Timber, scrub cedar and pinion.

Undergrowth, buck brush.

April 29, 1913.

April 26, 1913.

N. 0° 1' W. bet. secs. 22 and 23.

Along W. slope, through heavy timber.

8.00

Leave heavy, enter scattering timber and dense undergrowth.

16.00

Desc. NW. slope 35 ft.

38.60

Gulch, 10 lks. wide, course NW.

40.00

Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S22 in W. and

S23 in E. half; from which

A cedar, 24 ins. diam, brs. S. 44° E., 131 lks. dist.,
marked $\frac{1}{4}$ S23 BT.A cedar limb, 5 ins. diam, brs. N. 59 $\frac{1}{2}$ ° W., 106 lks. dist.,
marked $\frac{1}{4}$ S22 BT.

46.20

Gulch, 8 lks. wide, 3 ft. deep; asc. SW. slope 50 ft.

54.00

Spur ridge, brs. E. and W. Desc. NW. slope 145 ft.

70.00

Enter scattering timber and dense undergrowth.

80.00

Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in
the ground, for cor. of secs. 14, 15, 22 and 23,

marked on brass cap, 1913;

T23N R11W in N. half;

S15 in NW.,

S14 in NE.,

S23 in SE. and

S22 in SW. quadrant; from which

A cedar limb, 8 ins. diam, brs. N. 47 $\frac{3}{4}$ ° E., 159 lks. dist.,
marked T23N R11W S14 BT.A cedar, 8 ins. diam, brs. S. 29 $\frac{1}{2}$ ° E., 10 lks. dist.,
marked T23N R11W S23 BT.A cedar, 10 ins. diam, brs. S. 63 $\frac{3}{4}$ ° W., 152 lks. dist.,
marked T23N R11W S22 BT.A cedar, 17 ins. diam, brs. N. 89 $\frac{1}{2}$ ° W., 71 lks. dist.,
marked T23N R11W S15 BT.

Land, rolling and hilly.

Soil, rocky, 4th rate, gumbo.

Chains.

Timber, scrub cedar and pinion.
Undergrowth, scrub oak and buck brush. *H.N.B.*
April, 26, 1913.

W.B.K.
April 30, 1913. At 7 hrs. 53 m. a.m., l.m.t., I set off
35° 22½' N. on the lat. arc; 14° 44' N. on the decl. arc;
and determine a meridian with the solar, at the cor. of
secs. 14, 15, 22 and 23, above described.

Thence I run
S. 89° 48' E. on a random line bet. secs. 14 and 23.
40.00 Set temp. ¼ sec. cor.
79.88 Intersect N. and S. line, 9 lks. N. of the cor. of
secs. 13, 14, 23 and 24,

Thence I run
N. 89° 44' W. on a true line, bet. secs. 14 and 23.
Over rolling land, through scattering timber.
6.00 Enter heavy timber, brs. N. and S.
7.00 Draw, course NE. Asc. E. slope 90 ft.
17.80 Spur ridge, brs. N. and S. Desc. W. slope 45 ft.
22.60 Draw, course N. Asc. NE. slope 40 ft.

Thence over rolling land.
39.94 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
the ground, for ¼ sec. cor., marked on brass cap, 1913;
¼ S14 in N. and
S23 in S. half; from which
A pinion, 9 ins. diam, brs. N. 47° E., 90 lks. dist.,
marked ¼ S14 BT.
A cedar, 8 ins. diam, brs. S. 39° E., 65 lks. dist.,
marked ¼ S23 BT.

79.88 The cor. of secs. 14, 15, 22 and 23.
Land, rolling and hilly.
Soil, rocky, 4th rate.
Timber, scrub cedar and pinion.
Undergrowth, scrub oak and buck brush. *W.B.K.*

April 30, 1913.

H.N.B.

April 29, 1913. At 8 hrs. 7 m. a.m., l.m.t., I set
off 35° 22½' N. on the lat. arc; 14° 25' N. on the decl.
arc; and determine a meridian with the solar, at the cor.
of secs. 14, 15, 22 and 23.

Thence I run
N. 0° 1' W. bet. secs. 14 and 15.
7.13 Desc. gradual NE. slope through heavy timber and
10.00 dense undergrowth.
Road, Hutchinson's Tank to Nelson, brs. NE. and SW.
Wash, 15 lks. wide, 2 ft. deep, course NE. Asc. gradual
SE. slope.

20.00 Asc. S. slope 100 ft.
34.00 Ridge, brs. NE. and SW. Desc. NW. slope, 300 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
the ground, for ¼ sec. cor., marked on brass cap, 1913;
¼ S15 in W. and
S14 in E. half; from which
A cedar, 12 ins. diam, brs. N. 75½° E., 39 lks. dist.,
marked ¼ S14 BT.
A cedar, 20 ins. diam, brs. S. 85° W., 8 lks. dist.,
marked ¼ S15 BT.

53.30 Gulch, course S. 70° W. Road in gulch brs. S. 70 W. and
N. 70 E. Asc. S. slope 225 ft.

56.00 Asc. SW. slope.
71.00 Spur ridge, brs. E. and W. Desc. NW. slope, 175 ft.
78.40 Gulch, course S. 70° W. Asc. S. slope 50 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in
the ground, for cor. of secs. 10, 11, 14 and 15;
marked on brass cap, 1913;
T23N R11W in N. half;
S10 in NW,
S11 in NE.,
S14 in SE., and
S15 in SW. quadrant; from which,

Subdivision of T. 23 N., R. 11 W.

//

Chains

A pinion, 8 ins.ⁱⁿ diam, brs. N. $25\frac{1}{2}^{\circ}$ E., 42 lks. dist., marked T23 N. R11W S11 BT.
 A pinion, 12 ins.ⁱⁿ diam, brs. S. $19\frac{1}{4}^{\circ}$ E., 71 lks. dist., marked T 23 N. R, 11 W. S14 BT.
 A cedar, 14 ins.ⁱⁿ diam, brs. S. $43\frac{1}{2}^{\circ}$ W., 50 lks. dist., marked T23N R11W S15 BT.
 A cedar, 7 ins.ⁱⁿ diam, brs. N. $68\frac{1}{4}^{\circ}$ W., 22 lks. dist., marked T23N R11W S10 BT.

Land, mountainous.

Soil, rocky, 3rd and 4th rate gumbo.

Timber, cedar and pinion.

Undergrowth, scrub oak and buck brush.

NOTE:- At this corner, I set off $14^{\circ}28'$ N. on the decl. arc; and at ~~hour~~ ~~the~~ ~~meridian~~, I observe the sun on the meridian. The resulting lat. is $35^{\circ}23\frac{1}{2}'$ N. which is correct.

H.N.B.

April 29, 1913.

W.B.K.

April 30, 1913.

✓ S. $89^{\circ}44'$ E. on a random line bet. secs. 11 and 14.

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

Intersect N. and S. line, 12 lks. N. of the cor. of secs. 11, 12, 13 and 14,

40.00
79.72

Thence I run

✓ N. $89^{\circ}39'$ W. on a true line, bet. secs. 11 and 14.

Along rolling S. slope, through heavy timber and dense undergrowth.

20.00
28.00
39.00
39.86

Desc. SW. slope 90 ft.

Draw, course S. Continue over rolling land, slopes S.

Draw, course SE. Asc. E. slope 115 ft.

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; $\frac{1}{4}$ S11 in N. and S14 in S. half; from which

A cedar, 18 ins.ⁱⁿ diam, brs. N. $56\frac{1}{4}^{\circ}$ E., 78 lks. dist., marked $\frac{1}{4}$ S11 BT.

A cedar, 16 ins.ⁱⁿ diam, brs. S. $10\frac{1}{2}^{\circ}$ E., 102 lks. dist., marked $\frac{1}{4}$ S14 BT.

53.00
61.10
70.00
75.00
79.72

Ridge, brs. N. and S. Desc. SW. slope 50 ft.

Head of draw, course S. Asc. E. slope 50 ft.

Spur ridge, brs. N. and S. Desc. W. slope 100 ft.

Head of gulch, course SW. Desc. S. slope 65 ft.

The cor. of secs. 10, 11, 14 and 15.

Land, mountainous and hilly.

Soil, rocky 4th rate.

Timber, cedar and pinion.

Undergrowth, scrub oak and buck brush.

April 30, 1913.

April 29, 1913.

N. $0^{\circ}1'$ W. bet. secs. 10 and 11.

Asc. S. slope, 240 ft., through heavy timber and dense undergrowth.

14.00
40.00

Top of asc. brs. E. and W. Continue over gently rolling mesa.

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; $\frac{1}{4}$ S10 in W. and S11 in E. half; from which

A cedar, 10 ins.ⁱⁿ diam, brs. N. 61° E., 21 lks. dist., marked $\frac{1}{4}$ S11 BT.

A cedar, 8 ins.ⁱⁿ diam, brs. N. $82\frac{1}{2}^{\circ}$ W., 21 lks. dist., marked $\frac{1}{4}$ S10 BT.

April 29, 1913.

May 1, 1913. At 8 hrs. 15 m. a.m., l.m.t., I set off $35^{\circ}24'$ N. on the lat. arc; $15^{\circ}2\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar, at the $\frac{1}{4}$ sec. cor. bet. secs. 10 and 11, above described

Thence I continue

Chains
 56.00
 79.60
 79.70
 80.00

N. 0° 1' W. bet. secs. 10 and 11.
 Over gently rolling mesa, through heavy timber and dense undergrowth.
 Leave mesa brs. NE. and SW. Desc. NW. slope, 320 ft.
 Top of precipice, 30 ft. high, brs. E. and SW.
 Foot of precipice.
 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;
 T23N R11W in N. half;
 S3 in NW.,
 S2 in NE.,
 S11 in SE. and
 S10 in SW. quadrant; from which
 A pinion, 10 ins. in diam, brs. N. 20½° E., 46 lks. dist., marked T23N R11W S2 BT.
 A cedar, 24 ins. in diam, brs. S. 41° E., 7 lks. dist., marked T23N R11W S11 BT.
 A cedar, 36 ins. in diam, brs. S. 72° W., 49 lks. dist., marked T23N R11W S10 BT.
 A pinion, 8 ins. in diam, brs. N. 46° W., 62 lks. dist., marked T23N R11W S3 BT.
 Land, rolling and mountainous.
 Soil, rocky 4th rate.
 Timber, cedar and pinion.
 Undergrowth, buck brush and scrub oak.
 Mountainous and heavily timbered land, 80 chs.

40.00
 79.76

S. 89° 39' E. on a random line, bet. secs. 2 and 11.
 Set temp. ¼ sec. cor.
 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 1, 2, 11 and 12, marked on brass cap, 1913.
 Thence I run
 N. 89° 40' W. on a true line bet. secs. 2 and 11.
 Over rolling land, through heavy timber and dense undergrowth.
 3.90
 10.00
 39.88

Draw, course SE. Asc. NE. slope 40 ft.
 Top of asc.; thence over rolling land.
 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;
 ½ S2 in N. and
 S11 in S. half; from which
 A cedar, 10 ins. in diam, brs. N. 33° W., 72 lks. dist., marked ½ S2 BT.
 A cedar, 10 ins. in diam, brs. S. 40° E., 49 lks. dist., marked ½ S11 BT.
 49.80
 76.40
 79.76

Desc. SW. slope, 245 ft.
 Head of gulch, course N. 70° W. Desc. NW. slope, 110 ft.
 The cor. of secs. 2, 3, 10 and 11.
 Land, mountainous and rolling.
 Soil, rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak and buck brush.
 May 1, 1913.

40.00
 79.00

May 6, 1913. At 8 hrs. 30 m. a.m., l.m.t., I set off 35° 24½' N. on the lat. arc; 16° 30' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 10 and 11.
 Thence I run
 N. 0° 1' W. on a random line bet. secs. 2 and 3.
 Set temp. ¼ sec. cor.
 Intersect N. bdy. of Tp. 20 N. R. 11 W. of the cor. of secs. 2, 3, 34 and 35, recently established by metas described in book "M", page 53.
 Thence I run
 S. 0° 8' W. on a true line, bet. secs. 2 and 3.
 Over rolling land, through scattering timber and dense undergrowth. Asc. NE. slope, 150 ft.
 5.30

Enter heavy timber, brs. E. and W.

Subdivision of T. 23 N., R. 11 W.

Chains
13.30
19.30
39.00

Spur ridge, brs. NW. and SE. Desc. SW. slope 50 ft.
Foot of desc. Asc. NW. slope 135 ft.
Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S3 in W. and
S2 in E. half; from which
A pinion, 8 ins. diam, brs. S. $69\frac{1}{4}^{\circ}$ E., 59 lks. dist.,
marked $\frac{1}{4}$ S2 BT.
A pinion, 6 ins. diam, brs. S. $30\frac{3}{4}^{\circ}$ W., 41 lks. dist.,
marked $\frac{1}{4}$ S3 BT.
52.30 Top of asc. Desc. SW. slope 45 ft.
53.80 Gulch, course NW. Asc. NE. slope, 285 ft.
60.75 Top of rim rock, 10 ft. high, brs. E. and W. Thence
along steep, broken, rocky, W. slope.
68.00 Desc. SW. slope, 365 ft.
75.30 Gulch, course NW. Asc. N. slope 100 ft.
79.00 The cor. of secs. 2, 3, 10 and 11.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, scrub cedar and pinion.
Undergrowth, scrub oak.

W. B. K.
May 6, 1913.

H. N. B.

April 24, 1913. At 7 hrs. 58 m. a.m., l.m.t., I set
off $35^{\circ}20'$ N. on the lat. arc; $12^{\circ}49'$ N. on the
decl. arc; and determine a meridian with the solar at the
cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the
Tp. recently established by me as described in book "M" page 61

THENCE I RUN
N. $0^{\circ}2'$ W. 600' sec. 33 and 34.
Along slight E. slope, through heavy timber and dense
undergrowth. Asc. S. slope 105 ft.

37.35
40.00

Spur ridge, brs. NW. and SE. Extends 4 chs. SE.
Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked on brass cap, 1913;
 $\frac{1}{4}$ S33 in W. and
S34 in E. half; from which
A pinion, 10 ins. diam, brs. N. 78° E., 90 lks. dist.,
marked $\frac{1}{4}$ S34 BT.
A cedar, 15 ins. diam, brs. N. $38\frac{1}{4}^{\circ}$ W., 69 lks. dist.,
marked $\frac{1}{4}$ S33 BT.

41.00
54.50

Desc. NE. slope,
Gulch, 20 lks. wide, course SE. Asc. SW. slope 285 ft.
Top of asc. ridge brs. ENE. and WSW. Desc. NW. slope
170 ft.

65.25
80.00

Canyon 1 ch. wide, course SW. Asc. S. slope 230 ft.
Top of asc.; ridge, brs. E. and W.
Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in
the ground, for cor. of secs. 27, 28, 33 and 34,
marked on brass cap, 1913;
T23N R11W in N. half;
S28 in NW.,
S27 in NE.,
S34 in SE. and
S33 in SW. quadrant; from which
A cedar, 60 ins. diam, brs. N. $63\frac{1}{4}^{\circ}$ E., 118 lks. dist.,
marked T23N R11W S27 BT.
A cedar limb, 12 ins. diam, brs. S. 22° E. 11 lks. dist.,
marked T23N R11W S34 BT.
A cedar limb, 16 ins. diam, brs. S. $20\frac{1}{2}^{\circ}$ W., 13 lks. dist.,
marked T23N R11W S33 BT.
A cedar limb, 10 ins. diam, brs. N. $37\frac{1}{2}^{\circ}$ W., 186 lks.
dist., marked T23N R11W S28 BT.

Land, rolling and mountainous.
Soil, rocky, 4th rate, limestone formation.
Timber, Cedar and pinion.
Undergrowth, buck brush and scrub oak.
Mountainous and heavily timbered land, 80 chs.

NOTE:

At this corner, I set off $12^{\circ}52'$ N. on the decl. arc;
and at noon, I observe the
sun on the meridian. The resulting lat. is $35^{\circ}21'$ N.,
which is slightly higher than the correct lat.

Apr. 24, 1913.

Chains	
	April 25, 1913.
40.00	S. 89° 52' E. on a random line, bet. sees. 27 and 34.
80.04	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line, 9 lks. S. of the cor. of
	sees. 26, 27, 34 and 35., which is an iron post,
	as reported.
	Thence I run
	N. 89° 56' W. on a true line, bet. sees. 27 and 34.
	Along N. slope, through heavy timber.
12.00	Desc. slight NW. slope.
20.00	Desc. W. slope, 65 ft.
30.00	Head of canyon, course SW. Asc. slight SE. slope.
40.02	Set an iron post, 3 ft. long, 1 in. diam, 26 ins in
	the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
	$\frac{1}{4}$ S27 in N. and
	S34 in S. half; from which
	A pinion, 8 ins diam, brs. N. 20 $\frac{1}{2}$ ° W., 79 lks. dist.,
	marked $\frac{1}{4}$ S27 BT.
	A pinion, 10 ins diam, brs. S. 11° E., 15 lks. dist.,
	marked $\frac{1}{4}$ S34 BT.
42.00	Enter scattering cedar and dense undergrowth.
54.00	Top of asc., ridge brs. N. 80° W. and N. 80° E. Thence
	along S. slope.
60.00	Asc. SE. slope.
78.00	Top of asc. Ridge brs ENE. and WSW.
80.04	The cor. of sees. 27, 28, 33 and 34.
	Land, rolling and hilly.
	Soil, rocky, 4th rate.
	Timber, scrub cedar and pinion.
	Undergrowth, buck brush, and scrub oak. H.N.B.
	April 25, 1913.

W.B.K.

	April 26, 1913. At 7 hrs. 54 m. a.m., l.m.t., I set
	$\sqrt{35^{\circ} 21'}$ N. on the lat. arc; $\sqrt{13^{\circ} 28'}$ N. on the decl.
	arc; and determine meridian with the solar at the cor.
	of sees. 27, 28, 33, and 34,
	Thence I run
	N. 0° 2' W. bet. sees. 27 and 28.
	Over level land, through scattering timber and dense
	undergrowth.
6.00	Desc. NW. slope, 110 ft.
20.00	Gulch, 15 lks. wide, course NW. Asc. SW. slope 35 ft.
32.00	Desc. NW. slope, 75 ft.
35.00	Leave timber and undergrowth, brs. NE. and SW.
38.00	Trail, brs. E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
	the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
	$\frac{1}{4}$ S28 in W. and
	S27 in E. half;
	And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
	W. of cor. Pits impracticable. <i>No bearing trees within limits.</i>
40.75	Gulch, 70 lks. wide, course SW. Asc. SE. slope 150 ft.
43.00	Tank, brs. S. 70° E., about 10 chs. dist.
46.00	Enter heavy timber and dense undergrowth, brs. SE. and
	SW. Asc. S. slope.
67.00	Ridge, brs. E. and W. Desc. N. slope 70 ft.
80.00	Set an iron post, 3 ft. long, 2 ins diam, 24 ins. in
	the ground, for cor. of sees. 21, 22, 27 and 28,
	marked on brass cap, 1913;
	T23N R11W in N. half;
	S21 in NW.,
	S22 in NE.,
	S27 in SE. and
	S28 in SW. quadrant; from which
	A cedar, 16 ins diam, brs. N. 78° E., 144 lks. dist.,
	marked T23N R11W S22 BT.
	A cedar, 12 ins diam, brs. S. 46° E., 84 lks. dist.,
	marked T23N R11W S27 BT.
	A cedar, 16 ins diam, brs. S. 60° W., 24 lks. dist.,
	marked T23N R11W S28 BT.

Chains

A pinion, 6 ins. in diam, brs. N. 69° W., 38 lks. dist., marked T23N R11W S16 BT.

NOTE: - At this corner, I set off 13° 31' N. on the decl. arc; and at noon, I observe the sun on the meridian. The resulting lat. is 35° 22½' N. which is slightly less than the correct lat.

Land, rolling and hilly.

Soil, rocky, 3rd and 4th rate gumbo.

Timber, pinion and cedar.

Undergrowth, buck brush and scrub oak.

H.N.B.
April 26, 1913.

W.B.K.

April 28, 1913.

40.00

✓ S. 89° 57' E., on a random line, bet. secs. 15 and 22.

79.94

Set temp. ¼ sec. cor.

Intersect N. and S. line; at the cor. of secs. 14, 15, 22 and 23, marked on iron post, April 28, 1913.

Thence I run

✓ N. 89° 57' W., on a true line, bet. secs. 15 and 22.

Over rolling land, through scattering timber and scattering undergrowth.

4.50

Road, brs. NE. and SW.

5.75

Wash, 30 lks. wide, 2 ft. deep, course N.

6.00

Enter heavy timber and undergrowth, brs. N. and S.

Asc. E. slope, 120 ft.

39.97

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; ¼ S15 in N. and

S22 in S. half; from which

A cedar, 10 ins. in diam, brs. N. 45° E., 131 lks. dist., marked ¼ S15 BT.

A cedar, 14 ins. in diam, brs. S. 52½° W., 126 lks. dist., marked ¼ S22 BT.

Continue to asc. SE. slope 105 ft.

46.65

Top of mountain peak. Ridge, brs. NE. and SW. Desc. NW. slope 200 ft.

61.00

Head of draw, course N. Asc. NE. slope 110 ft.

65.95

Ridge, brs. W. and SE. Thence on ridge.

77.95

Ridge, brs. E. and SW.

79.94

The cor. of secs. 15, 16, 21 and 22.

Land, mountainous and hilly.

Soil, rocky, 4th rate, gumbo.

Timber, scrub cedar and pinion.

Undergrowth, scrub oak and buck brush.

NOTE: - At this corner, I set off 14° 9' N. on the decl. arc; and at noon, I observe the sun on the meridian. The resulting lat. is 35° 22½' N., which is slightly less than the correct lat.

N. 0° 2' W., bet. secs. 15 and 16.

Desc. NE. slope, 365 ft., through heavy timber, and dense undergrowth.

10.00

Desc. N. slope.

21.30

Gulch, course E.E. Asc. SE. slope, 110 ft.

28.00

Spur ridge, brs. NE. and SW. Desc. N. slope, 470 ft.

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; ¼ S16 in W., and

S15 in E. half; from which

A pinion, 14 ins. in diam, brs. S. 88½° E., 76 lks. dist., marked ¼ S15 BT.

A cedar, 9 ins. in diam, brs. S. 37½° W., 18 lks. dist., marked ¼ S16 BT.

54.30

Bottom of gulch, course W. Asc. S slope, 280 ft.

57.75

Road, brs. E. and W. Leave timber, brs. E. and W.

68.00

Enter timber, brs. E. and W.

80.00

Top of ridge, brs. NE. and SW.

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;

Chains.

T23N R11W in N. half;
 S9 in NW.,
 S10 in NE.,
 S15 in SE., and
 S16 in SW. quadrant; from which
 A pinion, 6 ins. diam, brs. N. $65\frac{1}{4}^{\circ}$ E., 184 lks. dist.,
 marked T23N R11W S10 BT.
 A pinion, 5 ins. diam, brs. S. $83\frac{1}{2}^{\circ}$ E., 55 lks dist.,
 marked T23N R11W S15 BT.
 A pinion, 10 ins. diam, brs. S. $63\frac{3}{4}^{\circ}$ W., 71 lks. dist.,
 marked T23N R11W S16 BT.
 A cedar, 5 ins. diam, brs. N. $43\frac{3}{4}^{\circ}$ W., 13 lks. dist., marked
 T23N R11W S9 BT.
 Land, mountainous.
 Soil, rocky 4th rate.
 Timber, pinion and cedar.
 Undergrowth, scrub oak and buck brush.

W.B.K
 April 28, 1913.

H.N.B.

May 3, 1913. At 7 hrs, 50m. a.m., l.m.t., I set off $35^{\circ}23\frac{1}{2}'$ N.
 on the lat. arc; $15^{\circ}38'$ N. on the decl. arc; and deter-
 mine a meridian with the solar at the cor. of secs. 9, 10,
 15 and 16, above described,
 Thence I run
 S. $89^{\circ}57'E.$, on a random line, bet. secs. 10 and 15
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.17 Intersect N. and S. line, 9 lks. N. of the cor. of secs.
 10, 11, 14 and 15, which is on the post,
 Thence I run
 N. $89^{\circ}53'W.$, on a true line, bet. secs. 10 and 15.
 Over rolling rocky S. slope, through scattering timber
 and dense undergrowth.
 4.00 Desc. SW. slope, 80 ft
 12.00 Gulch, course SE. Thence over rolling land.
 19.25 Same gulch, course NE. Asc. S.E. slope, 70 ft.
 29.75 Same gulch, course S. $70^{\circ}E.$ Asc. NE. slope, 175 ft.
 40.085 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S10 in N. and
 S15 in S. half; from which,
 A pinion, 10 ins. diam, brs. N. $49\frac{1}{2}^{\circ}E.$, 17 lks. dist.,
 marked $\frac{1}{4}$ S10 BT.
 A pinion, 5 ins. diam, brs. S. $26^{\circ}E.$, 51 lks. dist.,
 marked $\frac{1}{4}$ S15 BT.
 40.20 Top of asc. Spur ridge, brs. N. and S. Desc. SW. slope
 145 ft.
 50.20 Gulch, 50 lks. wide, course S. Thence along S. slope
 64.20 Desc. SW. slope, 80 ft.
 80.17 The cor. of secs. 9, 10, 15 and 16.
 Land, mountainous and hilly.
 Soil, rocky, 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck, brush and scrub oak.

N. $0^{\circ}2'W.$ bet. secs. 9 and 10.
 Desc. NW. slope, 450 ft. Through heavy timber and
 dense undergrowth.
 20.00 Leave heavy timber, enter scattering timber.
 28.00 Foot of desc., thence over rolling land.
 40.00 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S9 in W. and
 S10 in E. half; from which
 A cedar limb, 5 ins. diam, brs. N. $46^{\circ}E.$, 314 lks. dist.
 marked $\frac{1}{4}$ S10 BT.
 A cedar, 36 ins. diam, brs. N. $16\frac{1}{2}^{\circ}W.$, 190 lks. dist.,
 marked $\frac{1}{4}$ S9 BT.
 72.00 Centre of draw, 3 chs. wide, course NW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in
 the ground, for cor. of secs. 3, 4, 9 and 10, marked
 on brass cap, 1913;

Chains.

T23N R11W in N. half;
 S4 in NW.,
 S3 in NE.,
 S10 in SE. and
 S9 in SW. quadrant; from which,
 A cedar, 8 ins. in diam, brs. N. 40° E., 418 lks. dist.,
 marked T23N R11W S3 BT.
 A cedar, 14 ins. in diam, brs. S. 39° E., 108 lks. dist.,
 marked T23N R11W S10 BT.
 A cedar, 5 ins. in diam, brs. S. 56½° W., 116 lks. dist.,
 marked T23N R11W S9 BT.
 A cedar, 18 ins. in diam, brs. N. 81½° W., 154 lks. dist.,
 marked T23N R11W S4 BT.
 Land, mountainous and rolling.
 Soil, gumbo, 3rd and 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, and buck brush.

NOTE - At this corner, I set off 15° 40½' N. on the lat. arc;
 and at noon, I observe
 the sun on the meridian. The resulting lat. is 35° 24' N.,
 which is slightly less than the correct lat.

40.00 S. 89° 53' E., on a random line, bet. secs. 3 and 10.
 Set temp. ¼ sec. cor.
 80.21 Intersect N. and S. line, 19 lks. S. of the cor. of
 secs. 2, 3, 10 and 11, which is as described.
 Thence I run
 S. 89° 59' W., on a true line, bet. secs. 3 and 10.
 Desc. NW. slope, 325 ft., through heavy timber and
 dense undergrowth.
 3.40 Gulch, 20 lks. wide, course N.
 26.00 Leave heavy timber, brs. N. and S.
 30.00 Foot of desc., Thence over rolling land.
 40.105 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;
 ¼ S3 in N. and
 S10 in S. half; from which,
 A cedar, 15 ins. in diam, brs. N. 66° W., 188 lks. dist.,
 marked ¼ S3 BT.
 A pinion, 12 ins. in diam, brs. S. 75½° W., 160 lks. dist.,
 marked ¼ S10 BT.
 41.00 Enter scattering timber, brs. N. and S.
 72.00 Leave timber, brs. NW. and SE.
 80.21 The cor. of secs. 3, 4, 9 and 10.
 Land, rolling and mountainous.
 Soil, gumbo, 3rd and 4th rate, rocky on slope.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush, and scrub oak.

40.00 N. 0° 2' W., on a random line, bet. secs. 3 and 4.
 Set temp. ¼ sec. cor.
 78.91 Intersect N. bdy. of Tp. 44 lks. N 89° 57' W. of the cor. of
 secs. 33, 34, 3 and 4, recently estab. by W.B. Kimmel as described
 in book "M", page 52.
 Thence I run
 S. 0° 17' W. on a true line, bet. secs. 3 and 4.
 Over rolling land, through scattering timber and
 undergrowth.
 9.30 Leave scattering timber, brs. E. and W.
 18.00 Wash, 30 lks. wide, 4 ft. deep, course NW.
 22.70 Enter timber, brs. E. and W.
 38.91 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;
 ¼ S4 in W. and
 S3 in E. half; from which
 A cedar, 40 ins. in diam, brs. N. 25½° E., 96 lks. dist.,
 marked ¼ S3 BT.
 A cedar, 15 ins. in diam, brs. S. 24½° W., 128 lks. dist.,
 marked ¼ S4 BT.
 55.90 Draw, 2 chs. wide, course NW.
 60.70 Draw, 3 chs. wide, course NW.

Chains
76.70
78.91

Center of draw, 4 chs. NW 1/4, course NW.
The cor. of sees. 3, 4, 9, and 10.
Land, rolling.
Soil, gumbo, 3rd rate.
Timber, scattering cedar.
Undergrowth, scrub oak.

May 3, 1913.

April 23, 1913. At 8 hrs. 55 m. a.m., l.m.t., I set off
35°20' N. on the lat. arc; 12°29 1/2' N. on the decl.
arc; and determine a meridian with the solar, at the cor.
of sees. 32, 33, 4 and 5, on the S. bdy. of the Tp.,
recently established by me as described in book "M", page 60.

Thence I run
N. 0°3' W., bet sees. 32 and 33.
Desc. slight NE. slope, through heavy timber and dense
undergrowth.
2.75 Wash, 10 lks. wide, 1 ft. deep, course SE. Asc. gradual
SE. slope.
20.00 Leave heavy timber, enter scattering timber, brs. E.
and W.
26.00 Desc. NE. slope, 105 ft. Enter heavy timber, brs. E. and W.
39.80 Gulch, 5 lks. wide, course SE. Asc. SE. slope 90 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
the ground, for 1/4 sec. cor., marked on brass cap, 1913;
1/4 S32 in W. and
1/4 S33 in E. half; from which
A cedar, 8 ins. diam, brs. N. 66° E., 32 lks. dist.,
marked 1/4 S33 BT.
A pinion, 18 ins. diam, brs. S. 66° W., 59 lks. dist.,
marked 1/4 S32 BT.
48.00 End of asc., thence along E. slope of hill.
58.00 Desc. NE. slope, 135 ft.
72.00 Foot of desc., thence over rolling land.
Leave heavy timber, enter scattering timber, brs. E.
and W.
80.00 Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in
the ground, for cor. of sees. 28, 29, 32 and 33,
marked on brass cap, 1913;
T23N R11W in N. half;
S29 in NW.,
S28 in NE.,
S33 in SE. and
S32 in SW. quadrant; from which
A cedar limb, 27 ins. diam, brs. N. 39° E., 118 lks.
dist., marked T23N R11W S28 BT.
A cedar, 28 ins. diam, brs. S., 65° E., 82 lks. dist.,
marked T23N R11W S33 BT.
A cedar, 24 ins. diam, brs. S. 66° W., 42 lks. dist.,
marked T23N R11W S32 BT.
A cedar, 27 ins. diam, brs. N. 61° W., 82 lks. dist.,
marked T23N R11W S29 BT.
Land, mountainous and hilly.
Soil, rocky, 4th rate, gumbo.
Timber, scrub cedar and pinion.
Undergrowth, scrub oak and buck brush.

NOTE:

At this corner, I set off 12°32' N. on the decl. arc;
and at noon, I observe the sun on
the meridian. The resulting lat. is 35°21' N., which is
slightly higher than the correct lat.
April, 23, 1913.

40.00
79.80

April 24, 1913.
S. 89°52' E., on a random line, bet. sees. 28 and 33.
Set temp. 1/4 sec. cor.
Intersect N. and S. line, 16 lks. N. of the cor. of
sees. 27, 28, 33 and 34.
Thence I run,
N. 89°45' W., on a true line, bet. sees. 28 and 33.

Chains.	Over level land, through scattering timber and dense undergrowth.
6.00	Desc. NW slope, 70 ft.
22.00	Gulch, 10 lks. wide, course N. Asc. NE. slope 90 ft.
34.00	Top of asc., thence along N. slope.
36.00	Desc. NW slope, 50 ft.
39.90	Set an iron post, 3 ft. long, 1 in. in diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S28 in N. and S33 in S. half; from which
	A pinion, 6 ins. in diam, brs., N. 32° E., 10 lks. dist., marked $\frac{1}{4}$ S28 BT.
	A pinion, 6 ins. in diam, brs., S. 11° E., 739 lks. dist., marked $\frac{1}{4}$ S33 BT.
40.00	Gulch, 5 lks. wide, course N. Asc. NE. slope 60 ft.
47.00	Top of asc. Thence along N. slope.
50.00	Desc. NW. slope, 270 ft.
73.20	Foot of descent. Trail brs. NE. and SW.
74.25	Wash, 30 lks. wide, 3 ft. deep, course SW.
78.85	Wash, 30 lks. wide, 3 ft. deep, course SE.
79.80	The cor. of secs. 28, 29, 32 and 33. Land, hilly and mountainous. Soil, rocky 4th rate; limestone formation. Timber, scrub cedar and pinion. Undergrowth, buck brush and scrub oak.
	April 24, 1913.
	April 23, 1913. N. 0° 3' W., bet. secs. 28 and 29. Over level land, through heavy timber.
.30	Wash, 30 lks. wide, 1 ft. deep, course SE.
10.00	Asc. S. slope 180 ft.
24.00	Top of asc., thence along rocky, E. slope.
28.00	Desc. NE. slope 105 ft.
28.60	Small dirt dam, brs. N. 8° 10' W.
39.55	Wash, 45 lks. wide, 6 ft. deep, course SE.
40.00	Set an iron post, 3 ft. long, 1 in. in diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked on brass cap, 1913; $\frac{1}{4}$ S29 in W. and S28 in E. half; from which,
	A cedar, 18 ins. in diam, brs. S. 4° E., 84 lks. dist., marked $\frac{1}{4}$ S28 BT.
	A cedar, 15 ins. in diam, brs. S. 36° W., 94 lks. dist., marked $\frac{1}{4}$ S29 BT.
	Asc. SW. slope, 75 ft.
50.00	End of asc., thence along W. slope.
54.00	Dirt dam, brs. W. 4 chs. dist.,
62.00	Asc. SW. slope 125 ft.
74.00	Top of asc. Ridge, brs. NW. and SE. Desc. NE. slope 73 ft.
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; T23N R11W in N. half; S20 in NW., S21 in NE., S28 in SE., and S29 in SW. quadrant; from which
	A cedar, 9 ins. in diam, brs. N. 41 $\frac{1}{2}$ ° E., 74 lks. dist., marked T23N R11W S21 BT.
	A cedar limb, 7 ins. in diam, brs. S. 8 $\frac{1}{2}$ ° E., 111 lks. dist., marked T23N R11W S28 BT.
	A cedar limb, 7 ins. in diam, brs. S. 73° W., 41 lks. dist., marked T23N R11W S29 BT.
	A cedar, 8 ins. in diam, brs. N. 56 $\frac{1}{2}$ ° W., 33 lks. dist., marked T23N R11W S20 BT.
	Land, mountainous and hilly. Soil, rocky, 4th rate, gumbo. Timber, scrub cedar and pinion. Undergrowth, buck brush and scrub oak.
	April 23, 1913. <i>H.N.B.</i>

Subdivision of T. 23 N., R. 11 W.

Chains.

W.B.K.
 April 26, 1913.
 S. 89°45' E., on a random line, bet. secs. 21 and 28.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
 21, 22, 27 and 28,
 Thence I run,
 N. 89°44' W., on a true line, bet. secs. 21 and 28.
 Over rolling land. Through heavy timber and dense under-
 growth.
 20.00 Asc. NE. slope, 120 ft.
 40.02 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S21 in N. and
 S28 in S. half; from which
 A cedar limb, 8 ins. diam, brs. N. 37° E., 66 lks. dist.,
 marked $\frac{1}{4}$ S21 BT.
 A cedar limb, 6 ins. diam, brs. S. 55° W., 71 lks. dist.,
 marked $\frac{1}{4}$ S28 BT.
 54.00 Ridge, brs. NW. and S. 70° E. Desc. SW. slope 190 ft.
 73.60 Gulch, course SE. Asc. NE. slope 60 ft.
 80.04 The cor. of secs. 20, 21, 28 and 29.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and pinion.
 Undergrowth, buck brush and scrub oak.
 NOTE: At this corner, I set off 13°31' N. on the decl. arc;
 and at noon, I observe
 the sun on the meridian. The resulting lat. is 35°21½' N.,
 which is slightly less than the correct lat.

N. 0°3' W., bet secs. 20 and 21.
 Desc. NE. slope, 40 ft. through heavy timber and dense
 undergrowth.
 6.00 Gulch, course S. 65° E. Asc. SW. slope, 330 ft.
 32.00 Leave heavy, enter scattering timber. Asc. E. slope.
 36.00 Ridge, brs. NW. and SE. Continue to asc. E. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S20 in W. and
 S21 in E. half;
 And raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor. Pits impracticable. *No bearing trees within limits.*
 43.00 Ridge, brs. E. and W. Desc. N. slope 670 ft.
 44.00 Enter heavy timber, brs. E. and W.
 67.10 Draw, course NE. Asc. SE. slope, 35 ft.
 72.60 Spur ridge, brs. NE. and SW. Desc. N. slope, 55 ft.
 77.00 Desc. rocky, NE. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in
 the ground, for cor. of secs. 16, 17, 20 and 21,
 marked on brass cap, 1913;
 T23N R11W in N. half;
 S17 in NW.,
 S16 in NE.,
 S21 in SE., and
 S20 in SW. quadrant; from which
 A cedar, 12 ins. diam, brs. N. 84½° E., 15 lks. dist.,
 marked T23N R11W S16 BT.
 A cedar, 6 ins. diam, brs. S. 21½° E., 36 lks. dist.,
 marked T23N R11W S21 BT.
 A pinion, 7 ins. diam, brs. S. 41½° W., 105 lks. dist.,
 marked T23N R11W S20 BT.
 A cedar, 17 ins. diam, brs. N. 70½° W., 90 lks. dist.,
 marked T23N R11W S17 BT.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and scrub oak.

40.00 S. 89° 44' E., on a random line, bet. secs. 16 and 21.
Set temp. 1/4 sec. cor.

April 26, 1913.

April 28, 1913. At 8 hrs. 10 m. a.m., l.m.t., I set off 35° 22 1/2' N. on the lat. arc; 14° 6 1/2' N. on the decl. arc; and determine a meridian with the solar, at the temp. 1/4 sec. cor. of secs. 16 and 21.
Thence I continue

80.10 S. 89° 44' E., on a random line, bet. secs. 16 and 21.
Intersect N. and S. line, 19 lks. S. of the cor. of secs. 15, 16, 21 and 22, ...
Thence I run
N. 89° 52' W., bet. on a true line, bet. secs. 16 and 21.
Asc. NE. slope, 20 ft., through heavy timber and dense undergrowth.

3.00 Spur ridge, brs. N. and S. Desc. NW. slope, 150 ft.
18.00 Head of gulch, course N. 20° E. Asc. E. slope, 210 ft.
27.50 Spur ridge, brs. N. and S. Desc. NW. slope, 770 ft.
30.50 Top of precipice, 20 ft. high, brs. NE. and SW.
30.80 Foot of precipice; desc. W. slope.
40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap, 1913; 1/4 S16 in N. and S21 in S. half; from which
A pinion, 8 ins. diam., brs. N. 33 1/4° W., 26 lks. dist., marked 1/4 S16 BT.
A pinion, 7 ins. diam., brs. S. 59 1/4° E., 23 lks. dist., marked 1/4 S21 BT.

66.00 Foot of descent
67.20 Wash, 12 lks. wide, 4 ft. deep, course N. Thence over rolling land.
74.00 Asc. E. slope 80 ft.
80.10 The cor. of secs. 16, 17, 20 and 21.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, scrub cedar and pinion.
Undergrowth, buck brush and scrub oak.

W.B.K.
April 28, 1913.

H.N.B.
May 4, 1913. At 9 hrs. 57 m. a.m., l.m.t., I set off 35° 22 1/2' N. on the lat. arc; 15° 56 1/2' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 16, 17, 20 and 21,
Thence I run
N. 0° 3' W., bet. secs. 16 and 17.
Along E. slope, through heavy timber and dense undergrowth.

4.00 Asc. SE. slope, 55 ft.
10.00 Top of asc. Thence along E. slope of ridge.
16.00 Top of ridge, brs. NE. and SW. Extends 6 chs. NE. Desc. NW. slope 160 ft.
36.00 Leave timber, brs. NE. and SW.
37.75 End of descent. Thence across draw, course NE.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap, 1913; 1/4 S17 in W. and S16 in E. half; from which
A cedar, 8 ins. diam., brs. S. 40 1/2° E., 345 lks. dist., marked 1/4 S16 BT.
A cedar, 12 ins. diam., brs. N. 5 1/4° W., 162 lks. dist., marked 1/4 S17 BT.

44.00 Leave draw, asc. SE. slope, 215 ft.
54.00 Asc. S. slope. Enter scattering timber, brs. E. and W.
60.00 Limestone cliff, 20 ft. high, brs. E. and W.
67.00 Top of asc. on limestone cliff. Desc. NE. slope, 270 ft.
74.00 Limestone precipice 30 ft. high, brs. NW. and SE.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap, 1913;
T23N R11W in N. half;

Chains.

S8 in NW.,
 S9 in NE.,
 S16 in SE. and
 S17 in SW. quadrant; from which
 A pinion, 12 ins. in diam, brs. N. $38\frac{3}{4}^{\circ}$ E., 64 lks. dist.,
 marked T23N R11W S9 BT.
 A pinion, 10 ins. in diam, brs. S. 70° E., 83 lks. dist.,
 marked T23N R11W S16 BT.
 A pinion, 8 ins. in diam, brs. S. $21\frac{1}{2}^{\circ}$ W., 44 lks. dist.,
 marked T23N R11W S17 BT.
 A cedar, 10 ins. in diam, brs. N. $19\frac{1}{4}^{\circ}$ W., 61 lks. dist.,
 marked T23N R11W S8 BT.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and scrub oak.

H.N.B.

W.B.K.

40.00 S. $89^{\circ}52'$ E., on a random line, bet. secs. 9 and 16.
 80.08 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 42 lks. S. of the cor. of secs.
 9, 10, 15 and 16.,

Thence I run

2.00 S. $89^{\circ}50'$ W., on a true line, bet. secs. 9 and 16.
 26.00 Along top of ridge, brs. NE. and SW. Through heavy timber.
 38.00 Desc. NW. slope, 475 ft.
 40.04 Foot of desc. Thence over rolling land.
 Leave heavy timber, brs. N. and S.
 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;
 $\frac{1}{4}$ S9 in N. and
 $\frac{1}{4}$ S16 in S. half; from which
 A cedar, 14 ins. in diam, brs. N. $66\frac{1}{4}^{\circ}$ E., 116 lks. dist.,
 marked $\frac{1}{4}$ S9 BT.
 A cedar, 10 ins. in diam, brs. S. $37\frac{1}{4}^{\circ}$ W., 100 lks. dist.,
 marked $\frac{1}{4}$ S16 BT.
 42.00 Leave scattering timber, brs. N. and S.
 45.80 Trail, brs. NE. and SW.
 51.00 Tank, brs. S. 6 chs. dist.,
 54.00 Asc. slight NE. slope.
 60.00 Trail, brs. NW and SE.
 77.00 Top of asc. Thence along N. slope.
 80.08 The cor. of secs. 8, 9, 15 and 17.
 Land, mountainous and rolling.
 Soil, gumbo, 3rd and 4th rate, very rocky on slopes.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak.

May 4, 1913.

May 5, 1913. At 7 hrs. 30 m. a.m., l.m.t., I set off
 $16^{\circ}13'$ N. on the decl. arc; $35^{\circ}23\frac{1}{2}'$ N. on the lat. arc;
 and determine a meridian with the solar, at the cor. of
 secs. 8, 9, 15 and 17.

Thence I run

7.00 N. $0^{\circ}3'$ W., bet. secs. 8 and 9.
 12.90 Desc. NE. slope, 140 ft., through heavy timber and dense
 undergrowth.
 Leave heavy, enter scattering timber, brs. NW and SE.
 40.00 Dim road, brs. E. and W. Foot of desc. Continue over
 rolling land.
 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;
 $\frac{1}{4}$ S8 in W. and
 $\frac{1}{4}$ S9 in E. half; from which
 A cedar, 12 ins. in diam, brs. S. $55\frac{3}{4}^{\circ}$ E., 147 lks. dist.,
 marked $\frac{1}{4}$ S9 BT.
 A cedar, 12 ins. in diam, brs. S. $7\frac{1}{4}^{\circ}$ W., 85 lks. dist.,
 marked $\frac{1}{4}$ S8 BT.

Chains.	
55.00	Wash, 3 lks. wide, 1 ft. deep, course NW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked on brass cap, 1913;
	T23N R11W in N. half;
	S5 in NW.,
	S4 in NE.,
	S9 in SE., and
	S8 in SW. quadrant; from which,
	A cedar, 16 ins. diam. brs. N. $7\frac{1}{2}^{\circ}$ E., 90 lks. dist., marked T23N R11W S4 BT.
	A cedar, 9 ins. diam, brs. N. $52\frac{1}{2}^{\circ}$ W., 88 lks. dist., marked T. 23N R11W S5 BT.
	No other trees within limits. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling and hilly.
	Soil, gumbo and clay, rocky, 2nd to 4th rate.
	Timber, cedar and pinion.
	Undergrowth, scrub oak.
	<hr/>
40.00	N. $89^{\circ}50'$ E., on a random line, bet. secs. 4 and 9.
79.98	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line, 12 lks. S. of cor. of secs. 3, 4, 9 and 10,
	Thence I run
	S. $89^{\circ}45'$ W., on a true line, bet. secs. 4 and 9.
10.00	Over rolling land, through scattering cedar timber. Centre of draw, 2 chs. wide, course N. Asc. slight E. slope.
10.40	Trail, brs. N. and S.
16.00	Low ridge, brs. N. and S. Desc. NW. slope 40 ft.
33.00	End of desc. Thence across level land.
35.70	Trail, brs. N. and S.
39.99	Set an iron post, 3 fts. long, 1 in. diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
	$\frac{1}{4}$ S4 in N. and
	S9 in S. half; from which
	A cedar, 8 ins. diam, brs. N. $57\frac{1}{2}^{\circ}$ W., 123 lks. dist., marked $\frac{1}{4}$ S4 BT.
	A cedar, 7 ins. diam, brs. S. 1° W., 37 lks. dist., marked $\frac{1}{4}$ S9 BT.
	Leave scattering timber, brs. N. and S. Asc. E. slope 30 ft.
45.00	Spur ridge, brs. N. and S. Enter heavy timber. Thence over rolling land.
49.00	Draw, course N.
53.20	Low spur ridge brs. N. and S.
58.40	Draw, course N.
63.00	Low spur ridge, brs. N. and S.
69.70	Draw, course N. Asc. E. slope 40 ft.
76.00	Top of asc. Thence over rolling land.
79.98	The cor. of secs. 4, 5, 8 and 9.
	Land, rolling.
	Soil, rocky, clay and gumbo, 3rd and 4th rate.
	Timber, cedar and pinion.
	NOTE: At this corner, I set off $16^{\circ}15\frac{1}{2}'$ N. on the decl. arc; and at hban , I observe the sun on the meridian. The resulting lat. is $35^{\circ}24\frac{1}{2}'$ N, which is slightly higher than the true lat.
	<hr/>
40.00	N. $0^{\circ}3'$ W., on a random line, bet. secs. 4 and 5.
79.45	Set temp. $\frac{1}{4}$ sec. cor.,
	Intersect the N. bdy. of the Tp. 26 N. R. 11 W. of the cor. of secs. 32, 33, 4 and 5, recently established by me as described in book "M", page 52.
	Thence I run
	S. $0^{\circ}8'$ W., on a true line, bet. secs. 4 and 5.
	Over rolling land,
39.45	Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
	$\frac{1}{4}$ S5 in W. and

Chains

S4 in E. half;
 And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. No bearing trees within limits.
 Enter scattering timber, brs. NE. and SW.
 The cor. of secs. 4, 5, 8 and 9.
 Land, rolling, drains NW.
 Soil, gumbo, 3rd and 4th rate.
 Timber, cedar.

May 5, 1913.

55.00
79.45

April 23, 1913. At 9 hrs. 30 m. a.m., l.m.t., I set off 35° 20' N. on the lat. arc; 12° 30' N. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., recently established by me as described in book "M", page 59

Thence I run
 N. 0° 3' W. bet. secs. 31 and 32.
 Asc. S. slope, 120 ft., through heavy timber and dense undergrowth.
 Ridge, brs. NE. and SW. Desc. NW. slope, 400 ft.
 Draw, course NW. Thence along W. slope.
 Bottom of gulch, course SW. Asc. SE. slope, 340 ft.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, 1913; S31 in W. and S32 in E. half; from which
 A pinion, 10 ins. diam., brs. N. 74° E., 36 lks. dist., marked S32 BT.
 A pinion, 16 ins. diam., brs. N. 81½° W., 47 lks. dist., marked S31 BT.
 Ridge, brs. NE. and SW. Desc. NW. slope, 300 ft.
 Desc. N. slope
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked on brass cap, 1913;
 T23N R11W in N. half;
 S30 in NW.,
 S29 in NE.,
 S32 in SE., and
 S31 in SW. quadrant; from which
 A pinion, 9 ins. diam., brs. N. 32½° E., 64 lks. dist., marked T23N R11W S29 BT.
 A pinion, 18 ins. diam. brs. S. 79° E., 84 lks. dist., marked T23N R11W S32 BT.
 A cedar, 16 ins. diam. brs. S. 25° W., 16 lks. dist., marked T23N R11W S31 BT.
 A pinion, 9 ins. diam., brs. N. 65½° W., 61 lks. dist., marked T23N R11W S30 BT.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush.

8.00
34.50
38.70
40.00

64.75
75.00
80.00

W.B.K.

H.N.B.
 S. 89° 52' E., on a random line, bet. secs. 29 and 32.
 Set temp. ¼ sec. cor.
 Intersect N. and S. line, at the cor. of secs. 28, 29, 32 and 33,

40.00
80.00

Thence I run
 N. 89° 52' W., on a true line, bet. secs. 29 and 32.
 Along, N. slope, through scattering cedar timber and undergrowth.
 Draw, 2 chs. wide, course NE..
 Asc. SE. slope in draw, course E.

23.65
25.25
30.00
35.35
40.00

Leave draw, continue asc.
 Gulch, 10 lks. wide, course S.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913; S29 in N. and S32 in S. half; from which
 A pinion, 10 ins. diam., brs. N. 57½° W., 33 lks. dist., marked S29 BT.

Chains	
	A pinion, 16 ins ^m diam, brs. S. $63\frac{3}{4}^{\circ}$ W., 93 lks. dist., marked $\frac{1}{4}$ S32 BT.
45.00	Ridge, bfs. N. and S. Desc. W. slope, through heavy timber.
46.00	End of desc. Thence along N. slope.
53.00	Desc. NW. slope, 200 ft.
75.00	Foot of desc. thence along N. slope.
80.00	The cor. of secs 29, 30, 31 and 32. Land, rolling and mountainous. Soil, rocky, 4th rate, gumbo. Timber, scrub cedar and pinion. Undergrowth, buck brush and scrub oak.
	<i>NOTE:</i> At this corner, I set off $12^{\circ}32'$ N. on the decl. arc; and observe the sun on the meridian at noon . The resulting lat. is $35^{\circ}21'$ N., which is slightly higher than the correct lat.
	<i>H.N.B.</i>
	<i>W.B.K.</i>
40.00	N. $89^{\circ}52'$ W., on a random line, bet. secs. 30 and 31.
163.75	Set temp. $\frac{1}{4}$ sec. cor. Intersect the W. bdy. of the Tp., 15 lks. N. of the cor. of secs. 25, 30, 31 and 36, recently estab. by me as described in Book "M" page 57
	Thence I run
7.75	S. $89^{\circ}53'$ E., on a true line, bet. secs. 30 and 31.
71.00	Over rolling land. Asc. W. slope 65 ft.
82.50	Top of asc. Thence over rolling land.
104.00	Trail, brs. N. and S. Asc. NW. slope, 507 ft.
113.75	Fence brs. N. 15° E., and S. 15° W.
123.75	Ridge, brs. N. and S. Desc. E. slope, 410 ft.
	Desc. NE. slope.
	Set an iron post, 3 ft. long, 1 in ^m diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S30 in N. and S31 in S. half; from which
	A pinion, 7 ins ^m diam, brs. N. $74\frac{3}{4}^{\circ}$ E., 34 lks. dist., marked $\frac{1}{4}$ S30 BT.
	A pinion, 10 ins ^m diam, brs. S. $12\frac{1}{2}^{\circ}$ E., 31 lks. dist., marked $\frac{1}{4}$ S31 BT.
128.75	Draw, course SE. Thence over broken S. slope.
139.55	Gulch, course SW. Asc. W. slope, 165 ft.
163.75	The cor. of secs. 29, 30, 31 and 32. Land, rolling and mountainous. Soil, rocky 4th rate. Timber, scrub cedar and pinion. Undergrowth, buck brush and scrub oak.
	April 23, 1913.
	April 25, 1913. At 8 hrs. 45 m. a.m., l.m.t., I set off $35^{\circ}21'$ N. on the lat. arc; $13^{\circ}9'$ N. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 29, 30, 31 and 32,
	Thence I run
	N. $0^{\circ}3'$ W., bet. secs. 29 and 30.
	Over rolling land, through heavy timber and dense undergrowth.
.40	Draw, course W. Asc. SW. slope 55 ft.
8.00	Top of asc. Thence along rolling broken, W. slope.
40.00	Set an iron post, 3 ft. long, 1 in ^m diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S30 in W. and S29 in E. half; from which
	A pinion, 8 ins ^m diam, brs. N. $64\frac{1}{2}^{\circ}$ E., 48 lks. dist., marked $\frac{1}{4}$ S29 BT.
	A pinion, 6 ins ^m diam, brs. N. $81\frac{1}{2}^{\circ}$ W. 80 lks. dist., marked $\frac{1}{4}$ S30 BT.
43.50	Draw, course SW. Asc. rolling SW. slope, 40 ft.
57.00	Gulch, course S. 25° W. Asc. SE. slope 240 ft.
64.00	Asc. rolling E. slope.
80.00	Set an iron post, 3 ft. long, 2 ins ^m diam, 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked on brass cap, 1913;

Chains.	<p>T23N R11W in N. half; S19 in NW., S20 in NE., S29 in SE. and S30 in SW. quadrant; from which A pinion, 6 ins. ^{in diam.}, brs. N. 75° E., 22 lks. dist., marked T23N R11W S20 BT. A pinion, 6 ins. ^{in diam.}, brs. S. 13° E., 37 lks. dist., marked T23N R11W S29 BT. A pinion, 11 ins. ^{in diam.}, brs. S. 31° W., 52 lks. dist., marked T23N R11W S30 BT. A pinion, 6 ins. ^{in diam.}, brs. N. 2½° W., 51 lks. dist., marked T23N R11W S19 BT. Land, mountainous. Soil, rocky, 4th rate. Timber, pinion and cedar. Undergrowth, scrub oak and buck brush.</p> <p>NOTE: At this corner, I set off 13° 11½' N. on the decl. arc; and at noon, I observe the sun on the meridian. The resulting lat. is 35° 22' N., which is slightly higher than the correct lat.</p>
40.00 79.94	<p>S. 89° 52' E., on a random line, bet. secs. 20 and 29. Set temp. ¼ sec. cor. Intersect N. and S. line, 12 lks. S. of the cor. of secs. 20, 21, 28 and 29,</p>
4.50 7.95 12.00 19.00 22.20 28.65 34.35 39.97	<p>Thence I run, N. 89° 57' W., on a true line, bet. secs. 20 and 29. Asc. NE. slope, 60 ft., through heavy timber and dense undergrowth. Ridge, brs. NW. and SE. Thence over rolling land. Head of draw, course S. Spur, ridge, brs. N. and S. Desc. W. slope, 40 ft. Draw, course S. Asc. W. slope, 70 ft. Spur ridge, brs. N. and S. Thence over rolling land. Spur ridge, brs. N. and S. Desc. W. slope 70 ft. Draw, course S. Asc. E. slope, 120 ft. 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; ¼ S20 in N. and</p>
42.00 53.00 57.00 72.40 79.94	<p>S. 29 in S. half; from which A cedar limb, 5 ins. ^{in diam.}, brs. N. 8° E., 35 lks. dist., marked ¼ S20 BT. A cedar limb, 7 ins. ^{in diam.}, brs. S. 36° W., 32 lks. dist., marked ¼ S29 BT. Spur ridge, brs. N. and S. Thence over rolling land. Head of draw, course SE. Ridge, brs. N. and S. Desc. W. slope 210 ft. Gulch, course S. Asc. E. slope, 145 ft. The cor. of secs. 19, 20, 29 and 30. Land, mountainous and hilly. Soil, rocky, 4th rate. Timber, scrub cedar and pinion. Undergrowth, buck brush and scrub oak.</p>
40.00 163.40	<p>April 25, 1913, May 2, 1913. At 8 hrs. 30 m. a.m., l.m.t., I set off 35° 21½' N. on the lat. arc; 15° 20½' N. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 19, 20, 29 and 30. Thence I run N. 89° 53' W., on a random line, bet. secs. 19 and 30. Set temp. ¼ sec. cor. Intersect the W. bdy. of the Tp., 33 lks. S. of the cor. of secs. 19, 24, 25 and 30, recently established by me as described in book "M", page 57. Thence I run S. 89° 46' E., on a true line, bet. secs. 19 and 30. Asc. NW. slope 45 ft., through scattering timber and</p>

Chains

dense undergrowth.
 4.40 Top of asc. Desc. NE. slope 35 ft.
 9.40 Draw, course NW. Asc. NW. slope 140 ft.
 21.30 Dim road, brs. NW. and SE.
 39.40 Enter heavy timber, brs. N. and S. Spur ridge, brs. N. and S. Thence over rolling land.
 44.00 Draw, course N. Asc. W. slope 40 ft.
 51.00 Spur ridge, brs. N. and S. Desc. E. slope 80 ft.
 65.40 Draw, course N. Asc. W. slope, 70 ft.
 75.00 Top of asc. thence over rolling land.
 93.00 Desc. E. slope, 80 ft.
 100.90 Draw, course N. Asc. W. slope 40 ft.
 105.40 Low ridge, brs. N. and S. Thence over rolling land.
 110.50 Draw, course N.
 120.50 Head of draw, course NW.
 123.40 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S19 in N., and $\frac{1}{4}$ S30 in S. half; from which
 A cedar, 11 ins. diam, brs. N. 58° W., 31 lks. dist., marked $\frac{1}{4}$ S19 BT.
 A pinion, 10 ins. diam, brs. S. 51° W., 32 lks. dist., marked $\frac{1}{4}$ S30 BT.
 Asc. NW. slope, 530 ft.
 153.50 Foot of cliff, 100 ft. high, brs. NE. and SW.
 153.70 Top of cliff. Asc NW. slope, 175 ft.
 161.00 Ridge, brs. NE. and SW. Desc. E. slope, 35 ft.
 163.40 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling and mountainous.
 Soil, rocky, clay and gumbo, 2nd to 4th rate.
 Timber, cedar and pinion.
 Undergrowth, buck brush and scrub cedar.

NOTE: At this corner, I set off $15^{\circ}22\frac{1}{2}'$ N. on the decl. arc; and at noon, I observe the sun on the meridian. The resulting lat. is $35^{\circ}21\frac{1}{2}'$ N., which is slightly less than the correct lat.

N. $0^{\circ}3'$ W., bet. secs. 19 and 20.
 Along E. slope, through heavy timber and dense undergrowth.
 3.00 Ridge, brs. NE. and SW. Desc. NW. slope 110 ft.
 10.00 Foot of desc. Thence along rocky, W. slope.
 12.15 Desc. NW. slope, 670 ft.
 20.00 Over steep, broken, cliffy, rocky, W. slope.
 37.00 Leave cliffs, desc. rolling, broken W. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S19 in W. and $\frac{1}{4}$ S20 in E. half; from which
 A pinion, 6 ins. diam, brs. S. $72^{\circ}38'$ lks. dist., marked $\frac{1}{4}$ S20 BT.
 A pinion, 8 ins. diam, brs. N. 10° W., 14 lks. dist., marked $\frac{1}{4}$ S19 BT.
 54.25 Fence, brs. E. and W.
 60.00 Desc. NW. slope.
 76.00 Leave heavy, enter scattering timber and undergrowth, brs. NE. and SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap, 1913;
 T23N R11W in N. half;
 S18 in NW.,
 S17 in NE.,
 S20 in SE., and
 S19 in SW. quadrant; from which
 A cedar, 10 ins. diam, brs. N. $66\frac{1}{2}^{\circ}$ E., 103 lks. dist., marked T23N R11W S17 BT.
 A pinion, 10 ins. diam, brs. S. $68\frac{1}{2}^{\circ}$ E., 96 lks. dist., marked T23N R11W S20 BT.
 A cedar, 14 ins. diam, brs. S. $67\frac{1}{2}^{\circ}$ W., 35 lks. dist., marked T23N R11W S19 BT.
 A pinion, 16 ins. diam, brs. N. $64\frac{1}{2}^{\circ}$ W., 252 lks. dist., marked T23N R11W S18 BT.
 Land, mountainous.
 Soil, rocky 4th rate.

Subdivision of T. 23 N., R. 11 W.

Chains.

Timber, scrub cedar and pinion.
Undergrowth, buck brush and scrub oak. *W.B.K.*
May 2, 1913.

H.N.B.

May 4, 1913. At 7 hrs. 50 m. a. m., l.m.t., I set off
35°22½' N. on the lat. arc; 15°55½' N. on the decl.
arc; and determine a meridian with the solar, at the cor.
of secs. 17, 18, 19 and 20.

Thence I run

S. 89°57' E., on a random line, bet. secs. 17 and 20.

40.00 Set temp. ¼ sec. cor.

80.02 Intersect the N. and S. line, 36 lks. N. of the cor.
of secs. 16, 17, 20 and 21,

Thence I run,

N. 89°43' W., on a true line, bet. secs. 17 and 20.

8.00 Asc. E. slope, through heavy timber and dense undergrowth.
Ridge brs. N. and S. 110 ft. above cor. Desc. W. slope
110 ft.

17.00 Leave timber, brs. N. and S. Thence across a draw, course
NE.

20.00 Leave draw, Asc. NE. slope 140 ft.

24.00 Enter heavy timber, brs. N. and S.

34.00 End of asc. Thence along N. slope.

40.01 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
the ground, for ¼ sec. cor., marked on brass cap, 1913;
¼ S17 in N. and
¼ S20 in S. half; from which

A pinion, 10 ins. diam, brs., N. 4° W., 40 lks. dist.,
marked ¼ S17 BT.

A pinion, 10 ins. diam, brs. S. 17° E., 78 lks. dist.,
marked ¼ S20 BT.

Desc. NW. slope, 60 ft.

48.30 Gulch, 15 lks. wide, course NE. Asc. SE. slope 75 ft.

57.00 End of asc. ridge, brs. N. and S.

58.30 Limestone precipice, 100 ft. high brs. N. and S.

58.40 Foot of precipice. Desc. W. slope 230 ft.

80.02 The cor. of secs. 17, 18, 19 and 20.

Land, rolling and mountainous.

Soil, rocky, 4th rate, gumbo.

Timber, scrub cedar and pinion.

Undergrowth, buck brush and scrub oak. *H.N.B.*
May 4, 1913.

W.B.K.

May 3, 1913. At 8 hrs. 50 m. a.m., l.m.t., I set off
35°22½' N. on the lat. arc; 15°38' N. on the decl.
arc; and determine a meridian with the solar, at the cor.
of secs. 17, 18, 19 and 20.

Thence I run

N. 89°46' W., on a random line, bet. secs. 18 and 19.

40.00 Set temp. ¼ sec. cor;

163.51 Intersect the W. bdy. of the Tp., 37 lks. N. of the
cor. of secs. 13, 18, 19 and 24, recently established by
means described in book "M", page 56.

Thence I run

S. 89°54' E., on a true line, bet. secs. 18 and 19.

Desc. E. slope 80 ft., through heavy timber and dense
undergrowth.

16.20 Wash, 22 lks. wide, 2 ft. deep, course N. Asc. W. slope
55 ft.

18.20 Road, brs. N. and S.

26.50 Ridge, brs. N. and S. Thence over rolling land.

29.50 Draw, course N.

41.50 Draw, course N. Asc. W. slope 40 ft.

47.50 Ridge, brs. N. and S. Desc. E. slope, 45 ft.

56.50 Draw, course N. Asc. W. slope 55 ft.

67.50 Ridge, brs. N. and S. Leave heavy timber, enter scatter-
ing timber. Thence over rolling land.

73.80 Dim road, brs. NE. and SW.

75.80 Wash, 24 lks. wide, 2 ft. deep, course N. Asc. W. slope
50 ft.

Chains	
93.50	Ridge, brs. N. and S. Desc. E. slope 25 ft.
98.60	Wash, 12 lks. wide, 4 ft. deep, course N. Asc. W. slope 50 ft.
106.50	Ridge, brs. N. and S. Desc. NE. slope 35 ft.
116.20	Wash, 7 lks. wide, 5 ft. deep, course NW. Asc. NW. slope, 170 ft.
123.50	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; $\frac{1}{4}$ S18 in N. and S19 in S. half; from which A cedar, 8 ins. ⁱⁿ diam, brs. N. 14° E., 47 lks. dist., marked $\frac{1}{4}$ S18 BT. A cedar, 8 ins. ⁱⁿ diam, brs. S. 51° E., 38 lks. dist., marked $\frac{1}{4}$ S19 BT.
163.51	The cor. of secs. 17, 18, 19 and 20. Land, rolling. Soil, clay and gumbo, rocky, 2nd to 4th rate. Timber, cedar and pinion. Undergrowth, scrub oak.
	<i>NOTE:</i> - At this corner I set off 15° 40 $\frac{1}{2}$ ' N. on the decl. arc; and at noon on the decl. arc , I observe the sun on the meridian. The resulting lat. is 35° 22 $\frac{1}{2}$ ' N., which is slightly less than the correct lat.
40.00	N. 0° 3' W. bet. secs. 17 and 18. Desc. gentle, NW. slope, 320 ft. 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; $\frac{1}{4}$ S18 in W. and S17 in E. half; from which A cedar limb, 6 ins. ⁱⁿ diam, brs. S. 4 $\frac{3}{4}$ ° E. 224 lks. dist., marked $\frac{1}{4}$ S17 BT. A cedar, 16 ins. ⁱⁿ diam, brs. S. 48 $\frac{3}{4}$ ° W., 422 lks. dist., marked $\frac{1}{4}$ S18 BT.
45.30	Dim road, brs. NE. and SW.
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 and 18, marked on brass cap, 1913; T23N R11W in N. half; S7 in NW., S8 in NE., S17 in SE., and S18 in SW. quadrant; from which A cedar limb, 12 ins. ⁱⁿ diam, brs. N. 13 $\frac{1}{2}$ ° E., 442 lks. dist., marked T23N R11W S8 BT. A cedar, 10 ins. ⁱⁿ diam, brs. S. 53 $\frac{1}{4}$ ° E., 467 lks. dist., marked T23N R11W S17 BT. A cedar, limb, 10 ins. ⁱⁿ diam, brs. S. 60 $\frac{1}{2}$ ° W., 291 lks. dist., marked T23N R11W S18 BT. A cedar, 12 ins. ⁱⁿ diam, brs. N. 38 $\frac{1}{2}$ ° W. 437 lks. dist., marked T23N R11W S7 BT. Land, rolling. Soil, clay and gumbo, 2nd and 3rd rate. Timber, cedar.
	<i>W.B.K.</i> May 3, 1913.
	<i>H.N.B.</i> May 4, 1913. S. 89° 43' E., on a random line, bet. secs. 8 and 17. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 26 lks. S. of the cor. of secs. 8, 9, 16 and 17, marked on brass cap, 1913.
40.00	Thence I run N. 89° 54' W., on a true line, bet. secs. 8 and 17. Asc. NE. slope 90 ft., through scattering timber and dense undergrowth.
79.73	
5.00	Top of asc. Spur ridge extends 4 chs. E. Desc. NW. slope 185 ft.
16.00	Leave timber, brs. NE. and SW.
37.25	Road, brs. NE. and SW. Thence over rolling land.
39.865	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;

Subdivision of T. 23 N., R. 11 W.

Chains.

$\frac{1}{4}$ S8 in N. and
 $\frac{1}{4}$ S17 in S. half; from which
 A pinion, 7 ins. diam., brs. N. 66° E., 136 lks. dist.,
 marked $\frac{1}{4}$ S8 BT.
 A cedar, 8 ins. diam., brs. S. $74\frac{1}{2}^{\circ}$ E., 43 lks. dist.,
 marked $\frac{1}{4}$ S17 BT.
 Enter scattering timber, brs. N. and S.
 56.00 Leave timber, brs. N. and S.
 68.00 Draw, 3 chs. wide, course NNW.
 Enter timber, brs. N. and S.
 79.73 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling and mountainous.
 Soil, gumbo, 3rd and 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak.
 May 4, 1913.

May 5, 1913.
 N. $89^{\circ}54'$ W., on a random line, bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 163.71 Intersect W. bdy. of Tp., 19 lks. S. of the cor. of secs.
 7, 12, 13 and 18, recently estab. by W.B. Kimmel as described
 in book "M", page 55.
 Thence I run
 S. $89^{\circ}50'$ E., on a true line, bet. secs. 7 and 18.
 Over rolling land, through scattering cedar timber.
 6.70 Draw, 2 chs. wide, course N. Asc. W. slope 35 ft.
 11.70 Ridge, brs. N. and S. Desc. E. slope, 95 ft.
 26.75 Wash, 60 lks. wide, 4 ft. deep, course N.
 32.60 A road, brs. N. and S.
 57.70 Ridge, brs. N. and S. Thence over rolling land, drains
 N.
 103.70 Ridge, brs. N. and S.
 115.70 Desc. E. slope, 60 ft.
 119.70 Foot of desc. Thence over rolling land.
 123.71 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S7 in N. and
 $\frac{1}{4}$ S18 in S. half; from which
 A cedar, 6 ins. diam., brs. N. $16\frac{1}{2}^{\circ}$ E., 54 lks. dist.,
 marked $\frac{1}{4}$ S7 BT.
 A cedar, 5 ins. diam., brs. S. 19° W., 75 lks. dist.,
 marked $\frac{1}{4}$ S18 BT.
 163.71 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, sandy loam, limestone formation; subsoil hardpan
 at one foot depth.
 Timber, scattering cedar.
 Undergrowth, scrub oak.
 NOTE: At this corner I set off $16^{\circ}15\frac{1}{2}'$ N. on the decl. arc.
 and at noon ~~the sun is on the meridian~~, I observe the
 sun on the meridian. The resulting lat. is $35^{\circ}23\frac{1}{2}'$ N. which
 is correct.
 May 5, 1913. H.N.B.

W.B.K.
 May 3, 1913.
 N. $0^{\circ}3'$ W., bet. secs. 7 and 8
 Over gently rolling land, through scattering timber.
 26.50 Draw, 2 chs. wide, course NW.
 37.85 Draw, 1 ch. wide, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S7 in W. and
 $\frac{1}{4}$ S8 in E. half; from which
 A cedar, 12 ins. diam., brs. N. $10\frac{1}{4}^{\circ}$ E., 197 lks. dist.,
 marked $\frac{1}{4}$ S8 BT.
 A cedar, 14 ins. diam., brs. N. 18° W., 53 lks. dist.,
 marked $\frac{1}{4}$ S7 BT.
 62.00 Draw, course NW.
 69.00 Draw, course NW.
 79.00 Leave timber, brs. E. and W.
 80.00 Spur ridge, brs. NW and SE.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 5, 6, 7, and 8, marked

Chains

on brass cap, 1913;
 T23N R11W in N. half;
 S6 in NW.
 S5 in NE.,
 S8 in SE. and
 S7 in SW. quadrant; from which
 A cedar, 6 ins. diam, brs. S. $41\frac{3}{4}^{\circ}$ W., 71 lks. dist.,
 marked T23N R11W S7 BT.
 No other trees within limits. Raise a mound of stone,
 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 Land, rolling.
 Soil, sandy loam, 3rd rate.
 Timber, cedar.

May 3, 1913.

May 5, 1913.

40.00
79.76

S. $89^{\circ}54'$ E., on a random line, bet. secs. 5 and 8.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 23 lks. S. of the cor. of secs.
 4, 5, 8 and 9, which is an iron post, described.

Thence I run

4.00
12.00
18.00
20.90
27.00
39.88

S. $89^{\circ}56'$ W., on a true line, bet. secs. 5 and 8.
 Over rolling land, draining NW. Through scattering timber.
 Desc. W. slope, 30 ft.
 Draw, course NW. Asc. 30 ft.
 Spur ridge, brs. NW and SE. Desc. 30 ft.
 Draw, course NW. Asc. 30 ft.
 Rail, brs. NW. and SE.
 Spur ridge, brs. NW. and SE. Desc. 30 ft.
 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S5 in N. and

44.00
51.50
55.60
58.60
63.00
71.25
76.00
79.76

S8 in S. half; from which,
 A cedar limb, 7 ins. diam, brs. S. $78\frac{1}{2}^{\circ}$ E., 39 lks. dist.,
 marked $\frac{1}{4}$ S8 BT.
 No other trees within limits. Raise a mound of stone, 2
 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 Draw, course NW. Asc. 30 ft.
 Spur ridge, brs. NW. and SE. Desc. 30 ft.
 Draw, course NW. Asc. 30 ft.
 Spur ridge, brs. NW. and SE. Desc. 30 ft.
 Draw, course NW. Asc. 30 ft.
 Spur ridge, brs. NW. and SE. Desc. 30 ft. Leave timber,
 brs. E. and W.
 Draw, course N. Thence over rolling land.
 The cor. of secs. 5, 6, 7, and 8.
 Land, rolling.
 Soil, gravelly, gumbo and clay; 2nd to 4th rate.
 Timber, cedar.

W.B.K.

H.N.B.

40.00
163.65

N. $89^{\circ}50'$ W., on a random line, bet. secs. 6 and 7.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect the W. bdy. of the Tp., 28 lks. N. of the
 cor. of secs. 1, 6, 7, and 12, recently estab. by W.B. Kimmel
 as described in book "M", page 55

3.65
9.15
15.65
23.65
32.65
38.85
52.65
64.35
70.65
79.10

Thence I run
 S. $89^{\circ}56'$ E., on a true line, bet. secs. 6 and 7.
 Over rolling land, through scattering cedar timber.
 Ridge, brs. N. and S. Desc. E. slope 30 ft.
 Draw, 3 chs. wide, Asc. W. slope, 45 ft.
 Ridge, brs. N. and S. Thence over rolling land.
 Desc. E. slope 60 ft.
 Draw, 6 chs. wide, course N.
 Road, brs. N. and S. Asc. W. slope 60 ft.
 Ridge, brs. N. and S. Desc. E. slope 50 ft.
 Draw, 1 ch. wide, course N., Asc. W. slope 50 ft.
 Ridge, brs. N. and S. Desc. E. slope 40 ft.
 Draw, 4 chs. wide, course N.

Chains.

81.65 Asc. W. slope, 40 ft.
 92.00 Ridge, brs. SE. and NW. Desc. NE. slope 35 ft.
 104.50 Draw, 4 chs. wide, course NW.
 106.00 Asc. W. slope 30 ft.
 112.00 Ridge, brs. N. and S. Thence over rolling land.
 123.65 Set an iron post, 3 ft., long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S6 in N. and
 S7 in S. half; from which
 A cedar limb, 10 ins. diam., brs. N. $41\frac{1}{2}^{\circ}$ W., 146 lks.
 dist. marked $\frac{1}{4}$ S6, BT.
 A cedar limb, 9 ins. diam., brs. S. 2° E., 87 lks. dist.,
 marked $\frac{1}{4}$ S7, BT.
 Desc. NE. slope 45 ft.
 125.65 Foot of desc. Enter draw, course NW.
 129.30 Asc. SW. slope 45 ft. Leave draw, course NW.
 137.65 Ridge, brs. NW. and SE. Thence over rolling land.
 144.65 Desc. NE. slope, 30 ft.
 155.00 Draw, 2 chs. wide, course NW. Asc. NW. slope 30 ft.
 163.65 The cor. of secs. 5, 6, 7, and 8.
 Land, rolling.
 Soil, gravelly loam; subsoil hard pan at 1 ft. depth.
 Timber, scattering scrub cedar.

May 5, 1913.

May 3, 1913.

40.00 N. $0^{\circ}3'$ W., on a random line, bet. secs. 5 and 6.
 79.79 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. bdy. of Tp., 24 lks. $S. 89^{\circ}57' E.$ of the cor. of secs.
 5, 6, 31 and 32, recently established by maps, described in
 book "M", page 51.
 Thence I run
 S. $0^{\circ}4'$ E., on a true line, bet. secs. 5 and 6.
 Over rolling land, through scattering undergrowth.
 20.55 Draw, course NW.
 39.79 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S6 in W. and
 S5 in E. half;
 And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor. Pits impracticable. *No bearing trees within limits.*
 46.55 Draw, course W.
 52.25 Trail, brs. NW. and SE.
 61.00 Draw, course NW.
 79.79 The cor. of secs. 5, 6, 31 and 32.
 Land, rolling, drains NW.
 Soil, clay and gumbo, gravelly, 2nd and 3rd rate.
 No timber.
 Undergrowth, scattering scrub oak.

W.B.K.
May 3, 1913.

General Description.

This township is all mountainous, except for the NW. cor-
 ner, which is rolling. The mountains are covered with
 a heavy growth of scrub cedar and pinion; the rolling
 land has some scattering cedar. The undergrowth is scrub
 oak and buck brush.
 Soil on the mountains, besides ledge rock, is very rocky
 4th rate gumbo. Soil on the rolling land is sandy loam,
 2nd to 4th rate.
 There is a tank in sec. 6, sec. 16, sec. 22, sec. 29 and
 sec. 27. All except the one in sec. 6 contain some water.
 There are no settlers.

William B. Kimmel

U. S. Surveyor.

Samuel Bradstreet

U. S. Transitman.

For FINAL OATH OF UNITED STATES SURVEYOR & TRANSITMAN
see Book " I "

(Subdivision of E 1/2 of T.25 N., R.17 W.)

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 accord-
ance 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 OCT 5 1914

The foregoing field notes of the survey of _____
the Subdivision lines of _____

Township No .23 North, Range No .11 West

of the Gila and Salt River Base and Meridian, Arizona

executed by William B. Kimmel, U.S. Surveyor & H.N. Bradstreet, U.S. Transitman
under ~~the~~ ^{their} special instructions dated October 18, 1912 for Group 24, 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.
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.~~