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Apr. 28 - 1915

(1)

2687

4-679

BOOK I

2687

Subdivisions
FIELD NOTES

BOOK 2687

OF THE SURVEY OF THE

Subdivision lines of

TOWNSHIP 22 NORTH, RANGE 10 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 5, 1913

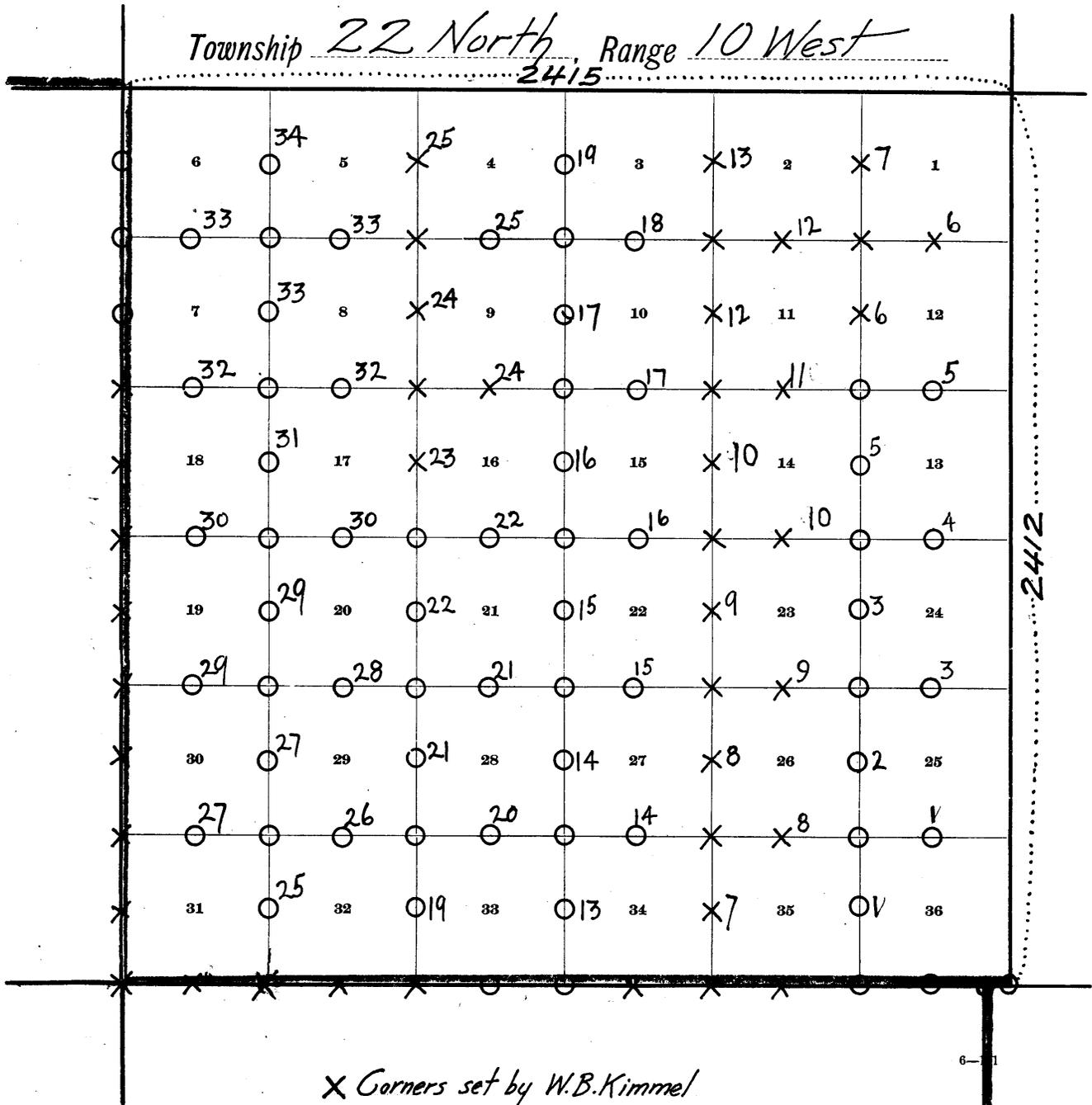
Survey completed " 19, 1913

(1A)

BOOK 2687

INDEX DIAGRAM.

Township *22 North*, Range *10 West*
.....2415.....



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

Subdivision of T.22 N., R. 10 W.

(13)

Chains. 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.

Survey commenced April 5, 1910, and executed with Young and Sons Light Mountain Transits, Nos. 7695 and 8541, with Smith Solar Attachments. For description of instruments and certificate of approval, see book "O", page 1.

Knowing from recent and repeated test of these instruments on a meridian established by observations on Polaris that they are in adjustment, we proceeded to the subdivision of T. 22 N., R. 10 W.

H.N.B. At 8 hrs. 31m., a.m., l.m.t., I set off 35° 15' N. on the lat arc; 6° 2' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., recently established by me as described in book "M", page 48.

Thence I run

N. 0° 1' W., bet. secs. 35 and 36.

Over rolling land, through scattering timber and undergrowth.

38.00 Low ridge, brs. NW. and SE. Desc. NE. slope, 40 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 S35 in W., and S36 in E. half; from which

A cedar, 7 ins. diam, brs. S. 38 1/2° E., 38 lks. dist., marked 1/4 S36 BT.

No other trees within limits. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

56.50 Foot of desc.; wash, 15 lks. wide, 3 ft. deep, course SE. Asc. SE. slope, 35 ft.

72.00 Top of asc.; thence along E. slope.

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;

T22N R10W in N. half;

S26 in NW.,

S25 in NE.,

S36 in SE., and

S35 in SW. quadrant; from which

A cedar, 18 ins. diam, brs. N. 20 1/4° E., 101 lks. dist., marked T22N R10W S25 BT.

A pinion, 6 ins. diam, brs. S. 9° E., 57 lks. dist., marked T22N R10W S36 BT.

A pinion, 6 ins. diam, brs. S. 57 1/2° W., 138 lks. dist., marked T22N R10W S35 BT.

A cedar, 16 ins. diam, brs. N. 25° W., 16 lks. dist., marked T22N R10W S26 BT.

Land, rolling.

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

Timber, scrub cedar and pinion.

Undergrowth, scrub oak and buck brush.

Dense undergrowth, 40.00 chs.

NOTE: The sky was over cast at noon, making an observation for lat. impossible.

40.00 S. 89° 59' E., on a random line, bet. secs. 25 and 36.

80.00 Set temp. 1/4 sec. cor.

Intersect the E. bdy. of the Tp., 9 lks. S. of the old cor. of secs. 25, 30, 31 and 36, which is an iron post,

3 ins. diam, 12 ins. above ground, marked on brass cap and witnessed as described by the Surveyor General.

Thence I run,

Chains.	S. 89° 57' W., on a true line, bet. secs. 25 and 36. Over rolling land, through heavy timber and dense undergrowth.
6.00	Leave heavy timber, brs. N. and S.
20.00	Trail, brs. N. and S.
22.60	Wash, 20 lks. wide, 4 ft. deep, course SE. Asc. NE. slope, 50 ft.
26.00	Enter timber, brs. NW. and SE.
32.00	Leave timber, brs. N. and S.
34.00	Top of asc.; thence along N. 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; $\frac{1}{4}$ S25 in N. and $\frac{1}{4}$ S36 in S. half; from which A pinion, 12 ins. diam, brs. N. 56 $\frac{1}{2}$ ° E., 73 lks. dist., marked $\frac{1}{4}$ S25 BT. A pinion, 5 ins. diam, brs. S. 7 $\frac{1}{4}$ ° W., 74 lks. dist., marked $\frac{1}{4}$ S36 BT.
72.00	Asc. SE. slope, 35 ft.
80.00	The cor. of secs. 25, 26, 35 and 36. Land, rolling. Soil, gumbo, 3rd and 4th rate, rocky. Timber, scrub cedar and pinion. Undergrowth, scrub oak and buck brush. Dense undergrowth, 70 chs.
	April 5, 1913.
	April 7, 1913: At 8 hrs. 25 m., a.m., l.m.t., I set off 35° 15 $\frac{1}{2}$ ' N. on the lat. arc; 6° 47' 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° 1' W., bet. secs. 25 and 26. Over level land, through heavy timber and scattering undergrowth.
12.00	Desc. NW. slope, 40 ft.
23.30	Wash, 30 lks. wide, 4 ft. deep, course SE. Asc. slight SW. 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; $\frac{1}{4}$ S26 in W. and $\frac{1}{4}$ S25 in E. half; from which A cedar, limb, 10 ins. diam, brs. N. 21 $\frac{1}{4}$ ° E., 35 lks. dist., marked $\frac{1}{4}$ S25 BT. A cedar, 17 ins. diam, brs. S. 57° W., 45 lks. dist., marked $\frac{1}{4}$ S26 BT.
44.00	Low ridge, brs. E. and W. Thence along slight W. slope.
56.00	Asc. SW. slope, 35 ft.
62.00	Low ridge, brs. E. and W. Desc. NE. slope, 90 ft.
70.00	Foot of desc.; thence over level land.
72.60	Wash, 15 lks. wide, 3 ft. deep, course NE.
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; T22N R10W in N. half; S23 in NW., S24 in NE., S25 in SE. and S26 in SW. quadrant; from which A cedar limb, 10 ins. diam, brs. N. 32 $\frac{3}{4}$ ° E., 77 lks. dist., marked T22N R10W S24 BT. A cedar, 48 ins. diam, brs. S. 70 $\frac{3}{4}$ ° E., 196 lks. dist., marked T22N R10W S25 BT. No other trees within limits. Dig pits, 18 X 18 X 12 ins., NW. and SW. of post, 5 $\frac{1}{2}$ ft. dist., and raise amount of earth, 4 ft. base, 2 ft. high, W. of cor.

Subdivision of T. 22 N., R. 10 W.

Chains.

Land, level and rolling.
Soil, rocky 4th rate.
Timber, scrub cedar and pinion.
Undergrowth, scrub oak and buck brush.

40.00
79.85

N. 89° 57' E., on a random line, bet. secs. 24 and 25.
Set temp. 1/4 sec. cor.
Intersect the E. bdy of the Tp., 21 lks. N. of the ^{old} cor. of secs. 19, 24, 25 and 30, which is an iron post, 3 ins. diam, 12 ins. above ground, marked ^{on brass cap} and witnessed as described by the Surveyor General.

3.85
33.85
39.925

Thence I run
N. 89° 54' W., on a true line, bet. secs. 24 and 25.
Over rolling land, through scattering timber and dense undergrowth.
Leave heavy, enter scattering undergrowth.
Leave scattering timber, brs. N. and S.
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 S24 in N. and
S25 in S. half; from which
A cedar, 18 ins. diam, brs. N. 2° W., 134 lks. dist., marked 1/4 S24 BT.
A cedar, 32 ins. diam, brs. S. 6 1/2° E., 363 lks. dist., marked 1/4 S25 BT.

NOTE: - At this corner, I set off 6° 50' N. on the lat arc; and at noon, I observe the sun on the meridian the resulting lat. is 35° 13 1/2' N., which is correct

58.00
68.00
75.45
75.85
79.85

Enter timber, brs. N. and S.
Leave timber, brs. NW. and SE.
Wash, 10 lks. wide, 4 ft. deep, course NE, enter level land.
Enter timber, brs. NE. and SW.
The cor. of secs. 23, 24, 25 and 26.
Land, level and rolling.
Soil, rocky 4th rate gumbo.
Timber, scrub cedar and pinion.
Undergrowth, scrub oak and buck brush.

5.00
8.00
16.00
23.00
25.00
28.00
40.00

N. 0° 1' W., bet. secs. 23 and 24.
Over level land.
Asc. SE. slope 40 ft. Enter timber and undergrowth, brs. E. and W.
Top of asc.; thence over level land.
Desc. slight NW. slope, 30 ft.
Draw, 2 chs. wide, course NE.
Asc. slight SE. slope, 35 ft.
Top of asc.; thence over level land.
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 S23 in W. and
S24 in E. half; from which
A cedar, 34 ins. diam, brs. N. 73 3/4° E., 157 lks. dist., marked 1/4 S24 BT.
A cedar, 9 ins. diam, brs. N. 33° W., 53 lks. dist., marked 1/4 S23 BT.

April. 7, 1913.

April 8, 1913: At 8 hrs. 20 m., a.m., l.m.t., I set off 7° 9 1/2' N. on the decl. arc; 35° 17' N. on the lat. arc; and determine a meridian with the solar at the 1/4 sec. cor. bet. secs. 23 and 24, above described.

Chains.	
	Over rolling land, through scattering timber and undergrowth.
60.00	Leave timber, brs. NE. and SW.
66.00	Wash, 45 lks. wide, 3 ft. deep, course NE. Asc. slight SE. slope, 30 ft.
69.00	Enter scattering timber, brs. NE. and SW.
70.00	Top of asc.; thence over level land.
72.65	Road, brs. NE. and SW. Leave timber, brs. NW. and SE.
78.00	Enter timber, brs. E. and W.
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; T22N R10W in N. half; S14 in NW., S13 in NE., S24 in SE., and S23 in SW. quadrant; from which A cedar, 26 ins. in diam, brs. N. 68° E., 138 lks. dist., marked T22N R10W S13 BT. A cedar, 12 ins. in diam, brs. S. 78° E., 179 lks. dist., marked T22N R10W S24 BT. A cedar, 50 ins. in diam, brs. S. 59½° W., 128 lks. dist., marked T22N R10W S23 BT. A cedar, 40 ins. in diam, brs. N. 17¼° W., 104 lks. dist., marked T22N R10W S14 BT. Land, level and rolling. Soil, sandy loam, 3rd rate, and rocky limestone formation. Timber, scrub cedar and pinion. Undergrowth, scrub oak and buck brush.
40.00	S. 89° 54' E., on a random line, bet. secs. 13 and 24.
80.16	Set temp. ¼ sec. cor. Intersect the E. bdy. of the Tp., 5 lks. S. 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. Thence I run N. 89° 56' W., on a true line, bet. secs. 13 and 24.
	Over rolling land, through scattering timber and dense undergrowth.
14.15	Road, brs. N. and S.
14.35	Centre of draw, 2 chs. wide, course S.
16.20	Low ridge, brs. N. and S.
20.65	Draw, 1 ch. wide, course NE.
40.08	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 A cedar, 30 ins. in diam, brs. N. 20¼° W., 197 lks. dist., marked ¼ S13 BT. A cedar, 18 ins. in diam, brs. S. 54½° W., 86 lks. dist., marked ¼ S24 BT.
44.20	Low ridge, brs. NE. and SW. Thence over rolling land.
76.90	Road, brs. NE. and SW.
78.00	Leave timber, brs. NE. and SW.
80.16	The cor. of secs. 13, 14, 23 and 24. Land, level and rolling. Soil, rocky limestone formation, 4th rate. Timber, scrub cedar and pinion. Undergrowth, scrub oak and buck brush.
	NOTE: —At this corner, I set off 7° 12½' N. on the decl. arc; and at 10 hrs. P. M., at noon, I observe the sun on the meridian, the resulting lat. is 35° 17½' N., which is slightly higher than the correct lat.

Subdivision of T. 22 N., R. 10 W.

Chains	
	N. 0° 1' W., bet. secs. 13 and 14.
	Over rolling land, through scattering timber and undergrowth.
26.00	Low ridge, 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;
	$\frac{1}{4}$ S14 in W. and
	S13 in E. half; from which
	A cedar limb, 6 ins. diam, brs. N. 75° E., 21 lks. dist., marked $\frac{1}{4}$ S13 BT.
	A pinion, 16 ins. diam, brs. N. 77 $\frac{1}{2}$ ° W., 77 lks. dist., marked $\frac{1}{4}$ S14 BT.
80.00	Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap, 1913;
	T22N R10W in N. half,
	S11 in NW.,
	S12 in NE.,
	S13 in SE. and
	S14 in SW. quadrant; from which
	A cedar, 13 ins. diam, brs. N. 48 $\frac{1}{4}$ ° E., 115 lks. dist., marked T22N R10W S12 BT.
	A cedar, 24 ins. diam, brs. S. 56 $\frac{1}{4}$ ° E., 80 lks. dist., marked T22N R10W S13 BT.
	A cedar, 5 ins. diam, brs. S. 25 $\frac{1}{2}$ ° W., 96 lks. dist., marked T22N R10W S14 BT.
	A cedar, 26 ins. diam, brs. N. 80° W., 69 lks. dist., marked T22N R10W S11 BT.
	Land, rolling.
	Soil, rocky 4th rate.
	Timber, scattering cedar.
	Undergrowth, scrub oak and buck brush.
40.00	S. 89° 56' E., on a random line, bet. secs. 12 and 13.
80.05	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect the E. bdy. of the Tp., 5 lks. N. of the ^{OLD} cor. of secs. 7, 12, 13 and 18, 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° 54' W., on a true line, bet. secs. 12 and 13.
	Over level land, through scattering timber and undergrowth.
6.00	Leave level land, thence over rolling land.
10.00	Low ridge, brs. N. and S.
20.00	Centre of draw, 2 chs. wide, course NE.
30.30	4 strand wire fence, brs. NE. and SW.
33.00	Low ridge, brs. NE. and SW.
49.025	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;
	$\frac{1}{4}$ S12 in N. and
	S13 in S. half; from which
	A cedar, 8 ins. diam, brs. N. 83 $\frac{1}{4}$ ° W., 127 lks. dist., marked $\frac{1}{4}$ S12 BT.
	A cedar, 6 ins. diam, brs. S. 44° E., 118 lks. dist., marked $\frac{1}{4}$ S13 BT.
42.00	Center of draw, 50 lks. wide, course NE. Thence over rolling land.
80.05	The cor. of secs. 11, 12, 13 and 14.
	Land, level and rolling.
	Soil, rocky 3th rate; gumbo.
	Timber, scrub cedar.
	Undergrowth, buck brush.

H.N.B.
April 8, 1913.

Chains.

W.B.K.

April 9, 1913. At 3 hrs. 5 m., p.m., l.m.t., I set off
 $35^{\circ}18\frac{1}{2}'$ N. on the lat. arc; $7^{\circ}38'$ N. on the decl. arc;
 and determine a meridian with the solar at the cor. of secs.
 11, 12, 13 and 14.; thence I run

N. $0^{\circ}1'$ W., bet. secs. 11 and 12.

Over rolling land, through heavy timber and dense under-
 growth.

4.00 Draw, course NE.
 10.05 Trails, brs E. and W.
 11.00 Draw, course E. Asc. S. slope, 40 ft.
 20.00 Spur ridge, brs. E. and W.; desc. N. slope, 30 ft.
 26.00 Draw, course E.; asc. S. slope, 45 ft.
 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;
 $\frac{1}{4}$ S11 in W. and
 S12 in E. half; from which
 A cedar, 12 ins. diam., brs. N. $47\frac{1}{2}^{\circ}$ E., 92 lks. dist.,
 marked $\frac{1}{4}$ S12 BT.
 A cedar, 18 ins. diam., brs. S. $35\frac{1}{2}^{\circ}$ W., 37 lks. dist.,
 marked $\frac{1}{4}$ S11 BT.
 43.00 Spur ridge, brs. E. and W. Desc. rolling NE. slope, 100 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 1, 2, 11, and 12, mark-
 ed on brass cap, 1913;
 T22N R10W in N. half;
 S2 in NW.,
 S1 in NE.,
 S12 in SE. and
 S11 in SW. quadrant; from which
 A cedar, 7 ins. diam., brs. N. 48° E., 378 lks. dist.,
 marked T22N R10W S1 BT.
 A cedar, 14 ins. diam., brs. S. 3° E., 80 lks. dist.,
 marked T22N R10W S12 BT.
 A cedar, 10 ins. diam., brs. S. 73° W., 67 lks. dist.,
 marked T22N R10W S11 BT.
 A cedar, 14 ins. diam., brs. N. $26\frac{3}{4}^{\circ}$ W., 241 lks. dist.,
 marked T22N R10W S2 BT.
 Land, level and rolling.
 Soil, gumbo, rocky, 3rd and 4th rate.
 Timber, scrub cedar.
 Undergrowth, scrub oak and buck brush.
 Heavily timbered land, 80 chs.

April 9, 1913.

April 10, 1913. At 2 hrs. 1 m., p.m., l.m.t., I set off
 $35^{\circ}19'$ N. on the lat. arc; $7^{\circ}59'$ N. on the decl. arc.
 and determine a meridian with the solar at the cor. of secs.
 1, 2, 11 and 12.; thence I run

S. $89^{\circ}54'$ E., on a random line, bet. secs. 1 and 12.

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

80.04 Intersect the E. bdy of the Tp., 26 lks. S. of the ^{old} cor. of
 secs. 1, 6, 7 and 12, which is an iron post, 3 ins.
 dia., 12 ins. above ground, marked on ^{BRASS CAP} and witnessed as
 described by the Surveyor General.

Thence I run

S. $89^{\circ}55'$ W., on a true line, bet. secs. 1 and 12.

Over level land.

27.40 Trails, brs. NW. and. SE.

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;
 $\frac{1}{4}$ S1 in N. and
 S12 in S. half;

And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.
 of cor. Pits impracticable. *No bearing trees within limits.*

54.00 Enter timber and undergrowth, brs. NE. and SW.

Chains

80.04

The cor. of secs. 1, 2, 11 and 12.
Land, level and rolling.
Soil, clay and loam, 2nd rate.
Timber, scrub cedar.
Undergrowth, scrub oak.

40.00

N.0° 1' W., on a random line, bet. secs. 1 and 2.

80.00

Set temp $\frac{1}{4}$ sec. cor.
Intersect the N. bdy of the Tp., 9 lks. E. of the ^{OLD} cor.
of secs. 1, 2, 35 and 36, which is an iron post, 3
ins. ^{INDIAN} diam., 12 ins. above ground, marked ^{ON BRASS CAP} and witnessed
as described by the Surveyor General.

Thence I run

S.0° 5' E., on a true line, bet. secs. 1 and 2.

Over gently rolling land, through scattering timber.

6.00

Leave timber, brs. E. and W.

40.00

Set an iron post, 3 ft. long, 1 in. ^{INDIAN} diam., 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;

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.*

58.00

Enter scattering timber, brs. E. and W.

80.00

The cor. of secs. 1, 2, 11 and 12.

Land, level and rolling.

Soil, clay, gumbo and loam, 2nd and 3rd rate.

Timber, scrub cedar.

Undergrowth, scrub oak.

April 10, 1913.

April 7, 1913. At 8hrs 15 m., a.m., l.m.t., I set off
35° 15' N. on the lat. arc; 6° 47' N. on the decl. arc;
and determine a meridian with the solar at the cor. of secs.
2, 3, 34 and 35, recently established by me as described in
book "M", page 47.

Thence I run

N.0° 1' W., bet. secs. 34 and 35.

Over rolling land, through scattering timber and under-
growth.

7.23

Wash, 5 lks. wide, 1 $\frac{1}{2}$ ft. deep, course SE.

10.10

Trails, br. NW. and SE.

16.00

Asc. SW. slope 365 ft.

18.00

Enter heavy timber and dense undergrowth, brs. NW. and
SE.

38.50

Wash, 6 lks. wide, 2 ft. deep, course SW. Asc. rolling
SW. slope.

40.00

Set an iron post, 3 ft. long, 1 in. ^{INDIAN} diam., 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, 14 ins. ^{INDIAN} diam., brs. S. 89° E., 25 lks. dist.,
marked $\frac{1}{4}$ S35 BT.

A cedar, 12 ins. ^{INDIAN} diam., brs. S. 58° W., 8 lks. dist.,
marked $\frac{1}{4}$ S34 BT.

61.00

Ridge, brs. NW. and SE. Desc. NE. slope, 100 ft.

80.00

Set an iron post, 3 ft. long, 2 ins. ^{INDIAN} diam., 24 ins. in the
ground, for cor. of secs. 26, 27, 34 and 35, marked
on brass cap, 1913;

Chains.

T22N R10W in N. half;
 S27 in NW.,
 S26 in NE.,
 S35 in SE. and
 S34 in SW. quadrant; from which
 A cedar, 10 ins. ⁱⁿdiam brs. N. $74\frac{1}{2}^{\circ}$ E., 110 lks. dist.,
 marked T22N R10W S26 BT.
 A cedar, 24 ins. ⁱⁿdiam, brs. S. $41\frac{1}{2}^{\circ}$ E., 75 lks. dist.,
 marked T22N R10W S35 BT.
 A cedar, 6 ins. ⁱⁿdiam, brs. S. $43\frac{1}{2}^{\circ}$ W., 168 lks. dist.,
 marked T22N R10W S34 BT.
 A cedar limb, 8 ins. ⁱⁿdiam, brs. N. 52° W., 148 lks. dist.,
 marked T22N R10W S27 BT.
 Land, rolling and mountainous.
 Soil, clay and gumbo, rocky 2nd to 4th rate.
 Timber, cedar and pinion.
 Undergrowth, scrub oak and buck brush.
 NOTE: - At this corner, I set off $6^{\circ}50'N.$ on the decl. arc; and
~~at this corner, I set off $6^{\circ}50'N.$ on the decl. arc; and~~
 and at noon, I observe the sun
 on the meridian, the resulting lat. is $35^{\circ}15\frac{1}{2}'N.$, which
 is slightly less than the correct lat.

40.00 S. $89^{\circ}59'E.$, on a random line, bet. secs. 26 and 35.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.16 Intersect N. and S. line, 12 lks. S. of the cor. of secs.
 25, 26, 35 and 36,
 Thence I run
 S. $89^{\circ}56'W.$, on a true line, bet. secs. 26 and 35.
 Over gently rolling land, through heavy timber and
 dense undergrowth.
 15.10 Trails, br. N. and S.
 40.08 Set an iron post, 3 ft. long, 1 in. ⁱⁿdiam, 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 limb, 10 ins. ⁱⁿdiam, brs. N. $73\frac{3}{4}^{\circ}$ W., 167 lks.
 dist., marked $\frac{1}{4}$ S26 BT.
 A cedar, 16 ins. ⁱⁿdiam, brs. S. $79\frac{3}{4}^{\circ}$ W., 213 lks. dist.,
 marked $\frac{1}{4}$ S35 BT.
 42.00 Asc. NE. slope, 95 ft.
 60.00 Ridge, brs. NW. and SE. Desc. W. slope, 70 ft.
 76.00 Draw, course N.
 80.16 The cor. of secs. 26, 27, 34 and 35.
 Land, rolling and hilly.
 Soil, gumbo, rocky 3rd and 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak and buck brush.
 Heavy timber and dense undergrowth, 80 chs.
 April 7, 1913.

April 8, 1913. At 8 hrs. 23 m., a.m., l.m.t., I set off
 $35^{\circ}15\frac{1}{2}'N.$ on the lat. arc; $7^{\circ}9\frac{1}{2}'N.$ 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. $0^{\circ}1'W.$, bet. secs. 26 and 27.
 Over rolling land, through heavy timber and dense under-
 growth.
 22.30 Draw, course E. Asc. S. slope, 100 ft.
 34.00 Spur ridge, brs. E. and W. Desc. rolling NE. slope, 100
 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. ⁱⁿdiam, 26 ins. in the

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80.00 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S27 in W. and
 S26 in E. half; from which
 A cedar, 24 ins. in diam, brs. N. 65° E., 41 lks. dist.,
 marked $\frac{1}{4}$ S26 BT.
 A cedar, 20 ins. in diam, brs. S. 18 $\frac{1}{4}$ ° W., 120 lks. dist.,
 marked $\frac{1}{4}$ S27 BT.
 Set an iron post, 3 ft. long, 2 ins. in diam, 24 ins. in
 the ground, for cor. of secs. 22, 23, 26 and 27,
 marked on brass cap, 1913;
 T22N R10W in N. half;
 S22 in NW.,
 S23 in NE.,
 S26 in SE. and
 S27 in SW. quadrant; from which
 A cedar, 28 ins. in diam, brs. N. 33 $\frac{1}{2}$ ° E., 146 lks. dist.,
 marked T22N R10W S23 BT.
 A cedar, 30 ins. in diam, brs. S. 10 $\frac{1}{2}$ ° E., 238 lks. dist.,
 marked T22N R10W S26 BT.
 A cedar, 26 ins. in diam, brs. S. 41° W., 379 lks. dist.,
 marked T22N R10W S27 BT.
 A cedar, 26 ins. in diam, brs. N. 57 $\frac{3}{4}$ ° W., 420 lks. dist.,
 marked T22N R10W S22 BT.
 Land, rolling and hilly.
 Soil, rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak and buck brush.

40.00 N. 89° 56' E., on a random line, bet. secs. 23 and 26.
 80.06 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 12 lks. S. of the cor. of secs.
 23, 24, 25 and 26.

Thence I run
 S. 89° 51' W., on a true line, bet. secs. 23 and 26.
 Over rolling land, through scattering timber and under
 growth.

7.00 Leave scattering, enter heavy timber and dense under-
 growth. Asc. NE. slope, 35 ft.

18.00 Top of asc.; thence over rolling land.

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

S26 in S. half; from which
 A cedar, 16 ins. in diam, brs. N. 9 $\frac{1}{4}$ ° W., 41 lks. dist.,
 marked $\frac{1}{4}$ S23 BT.

A cedar, 18 ins. in diam, brs. S. 11 $\frac{1}{4}$ ° W., 106 lks. dist.,
 marked $\frac{1}{4}$ S26 BT.

NOTE: - At this corner, I set off 7° 12 $\frac{1}{2}$ ' N. on the decl. arc;
 and at noon, I observe the sun on
 the meridian, the resulting lat. is 35° 16 $\frac{1}{2}$ ' N., which is
 correct.

60.00 Asc. NE. slope, 60 ft.

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

Land, rolling.

Soil, clay and gumbo, rocky, 2nd to 4th rate.

Timber, scrub cedar and pinion.

Undergrowth, scrub oak and buck brush.

Heavy timber and dense undergrowth, 70. chs.

10.00 N. 0° 1' W., bet. secs. 22 and 23.
 40.00 Over rolling land, through heavy timber and dense under-
 growth.

Draw, course NE. Thence over rolling NE. slope.

Set an iron post, 3 ft. long, 1 in. in diam, 26 ins. in

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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, 6 ins. diam, brs. N. 22° E., 17 lks. dist.,
 marked $\frac{1}{4}$ S23 BT.
 A cedar, 11 ins. diam, brs. S. 80° W., 32 lks. dist.,
 marked $\frac{1}{4}$ S22 BT.
 60.00 Leave timber and undergrowth, brs. E. and W.
 68.85 Wash, 15 lks. wide, 4 ft. deep, course E.
 71.30 Enter scattering timber and undergrowth, brs. E. and W.
 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
 the ground, for cor. of secs. 14, 15, 22 and 23,
 marked on brass cap, 1913;
 T22N R10W in N. half;
 S15 in NW.,
 S14 in NE.,
 S23 in SE. and
 S22 in SW. quadrant; from which
 A cedar, 5 ins. diam, brs. N. 39° E., 137 lks. dist.,
 marked T22N R10W S14 BT.
 A cedar, 15 ins. diam, brs. S. 73 $\frac{1}{4}$ ° E., 248 lks. dist.,
 marked T22N R10W S23 BT.
 A cedar, 5 ins. diam, brs. S. 78 $\frac{1}{2}$ ° W., 98 lks. dist.,
 marked T22N R10W S22 BT.
 A cedar, 18 ins. diam, brs. N. 78 $\frac{3}{4}$ ° W., 231 lks. dist.,
 marked T22N R10W S15 BT.
 Land, rolling.
 Soil, gumbo and clay, rocky, 2nd to 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak and buck brush.
 Heavy timber and dense undergrowth, 60 . chs.
 April 8, 1913.

April 9, 1913.
 N. 89° 51' E., on a random line, bet. secs. 14 and 23.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect the N. and S. line, 2 lks. N. of the cor. of
 secs. 13, 14, 23 and 24, marked on brass cap,
 T22N R10W S23 BT.
 Thence I run
 S. 89° 52' W., on a true line, bet. secs. 14 and 23.
 Over rolling land, through scattering timber and under-
 growth.
 4.80 Enter heavy timber and dense undergrowth, brs. NE. and SW.
 23.80 Leave heavy, enter scattering timber and undergrowth
 30.75 Road bears NW and SE.
 39.90 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;
 $\frac{1}{4}$ S14 in N. and
 S23 in S. half; from which
 A cedar, 12 ins. diam, brs. N. 50 $\frac{1}{4}$ ° E., 124 lks. dist.,
 marked $\frac{1}{4}$ S14 BT.
 A cedar, 7 ins. diam, brs. S. 30° E., 44 lks. dist.,
 marked $\frac{1}{4}$ S23 BT.
 79.80 The cor. of secs. 14, 15, 22 and 23.
 Land, rolling.
 Soil, clay and gumbo, rocky, 2nd to 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak and buck brush.

NOTE: At 9 hrs O.m.a.m., l.m.t., I set off 35° 17 $\frac{1}{2}$ ' N. on the lat.
 arc; 7° 32 $\frac{1}{2}$ ' 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.
 Over gently rolling land, through scattering timber and

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	undergrowth.
30.00	Leave timber, brs. E. and W.
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; $\frac{1}{4}$ S15 in W. and $\frac{1}{4}$ S14 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>
41.10	Road, brs. E. and W.
54.00	Enter scattering timber and undergrowth, brs. E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. ^m diam, 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked on brass cap, 1913; T22N R10W in N. half: S10 in NW., S11 in NE., S14 in SE. and S15 in SW. quadrant; from which A cedar, 12 ins. ^m diam, brs. N. 82° E., 150 lks. dist., marked T22N R10W S11 BT. A cedar, 28 ins. ^m diam, brs. S. $56\frac{1}{4}^{\circ}$ E., 278 lks. dist., marked T22N R10W S14 BT. A cedar, 12 ins. ^m diam, brs. S. $64\frac{3}{4}^{\circ}$ W., 467 lks. dist., marked T22N R10W S15 BT. A cedar, 7 ins. ^m diam, brs. N. $57\frac{1}{4}^{\circ}$ W., 273 lks. dist., marked T22N R10W S10 BT.
	Land, rolling. Soil, clay and gumbo, 2nd and 3rd rate. Timber, scrub cedar. Undergrowth, scrub oak.
NOTE:-	At this corner, I set off $7^{\circ} 35'$ N. on the decl. arc; and, at noon. . . , I observe the sun on the meridian, the resulting lat. is $35^{\circ} 18\frac{1}{2}'$ N., which is slightly higher than the correct lat.
40.00	N. $89^{\circ} 52'$ E., on a random line, bet. secs. 11 and 14.
79.82	Set temp. $\frac{1}{4}$ sec. cor. Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 11, 12, 13 and 14,
	Thence I run $S. 89^{\circ} 55'$ W., on a true line, bet. secs. 11 and 14.
1.80	Over rolling land, through heavy timber and undergrowth.
8.30	Draw, course N. Asc. E. slope, 35 ft.
17.10	Spur ridge, brs. N. and S. Desc. W. slope, 35 ft.
35.80	Trails, br. N. and S. Thence over rolling land.
39.91	Leave heavy, enter scattering timber, brs. N. and S. 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; $\frac{1}{4}$ S11 in N. and $\frac{1}{4}$ S14 in S. half; from which A cedar, 36 ins. ^m diam, brs. N. $62\frac{1}{2}^{\circ}$ E., 153 lks. dist., marked $\frac{1}{4}$ S11 BT. A cedar, 9 ins. ^m diam, brs. S. 75° E., 225 lks. dist., marked $\frac{1}{4}$ S14 BT.
79.82	The cor. of secs. 10, 11, 14 and 15. Land, rolling. Soil, clay and gumbo, rocky, 2nd to 4th rate. Timber, cedar. Undergrowth, scrub oak and buck brush. Heavy timber and dense undergrowth, 36.00 chs.

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40.00	<p>April 10, 1913. At 8 hrs. 45 m., a.m., l.m.t., I set off $35^{\circ}18\frac{1}{2}'$ N. on the lat. arc; $77^{\circ}54\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 10, 11, 14 and 15,</p> <p>Thence I run N. $0^{\circ}1'$ W., bet. secs. 10 and 11.</p> <p>Over rolling land, through scattering timber and undergrowth.</p> <p>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 $\frac{1}{4}$S11 in E. half; from which</p> <p>A cedar, 10 ins. in diam, hrs. N. $17\frac{1}{4}^{\circ}$ E., 139 lks. dist., marked $\frac{1}{4}$S11 BT.</p> <p>A cedar, 10 ins. in diam, hrs. N. 65° W., 115 lks. dist., marked $\frac{1}{4}$S10 BT.</p>
54.00	<p>Trails in draw, course NE.</p>
80.00	<p>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;</p> <p>T22N R10W in N. half;</p> <p>S3 in NW.,</p> <p>S2 in NE.,</p> <p>S11 in SE. and</p> <p>S10 in SW. quadrant; from which</p> <p>A cedar, 9 ins. in diam, hrs. N. 31° E., 23 lks. dist., marked T22N R10W S2 BT.</p> <p>A cedar, 12 ins. in diam, hrs. S. 79° E., 77 lks. dist., marked T22N R10W S11 BT.</p> <p>A cedar, 10 ins. in diam, hrs. S. 16° W., 46 lks. dist., marked T22N R10W S10 BT.</p> <p>A cedar, 14 ins. in diam, hrs. N. $11\frac{1}{2}^{\circ}$ W., 215 lks. dist., marked T22N R10W S3 BT.</p> <p>Land, rolling.</p> <p>Soil, clay and gumbo, 3rd and 4th rate.</p> <p>Timber, cedar.</p> <p>Undergrowth, scrub oak and buck brush.</p>
40.00	<p>N. $89^{\circ}55'$ E., on a random line, bet. secs. 2 and 11.</p>
79.84	<p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Intersect N. and S. line, 19 lks. S. of the cor. of secs. 1, 2, 11 and 12, marked on brass cap, 1913;</p> <p>Thence I run</p> <p>S. $89^{\circ}47'$ W., on a true line, bet. secs. 2 and 11.</p> <p>Over rolling land, through scattering timber and undergrowth.</p>
1.40	<p>Trail, bears N. & S.</p>
3.29	<p>Ascend, East slope, 50 ft.</p>
7.85	<p>Ascend, SE. slope, 50 ft.</p>
27.85	<p>Spur ridge, bears NE. and SW. Descend NW. slope 40 ft.</p>
36.00	<p>Foot of descent, Ascend NE. slope 35 ft.</p>
39.92	<p>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; $\frac{1}{4}$S2 in N. and $\frac{1}{4}$S11 in S half; from which</p> <p>A cedar, 9 ins. in diam, hrs. N. $57\frac{1}{4}^{\circ}$ E., 151 lks. dist., marked $\frac{1}{4}$S2 BT.</p> <p>A cedar, 12 ins. in diam, hrs. S. $11\frac{1}{4}^{\circ}$ W., 304 lks. dist., marked $\frac{1}{4}$S11 BT.</p>
46.00	<p>Top of asc. Desc. NW. slope, 60 ft.</p>
71.50	<p>Trails in draw, course NE.</p>
79.84	<p>The cor. of secs. 2, 3, 10 and 11.</p> <p>Land, rolling.</p> <p>Soil, gumbo, rocky, 3rd and 4th rate.</p> <p>Timber, cedar.</p> <p>Undergrowth, scrub oak and buck brush.</p>

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40.00 N.0°1'W., on a random line, bet. secs. 2 and 3.
Set temp. $\frac{1}{4}$ sec. cor.

80.31 Intersect the N. bdy of the Tp., 23 lks. E. of the old
cor. of secs. 2, 3, 34 and 35, which is an iron post,
3 ins. ^{indiam}, 12 ins. above ground, marked ^{ON BRASS CAP} and witnessed
as described by the Surveyor General.

Thence I run
S.0°11'E., on a true line, bet. secs. 2 and 3.
Over rolling land, through heavy timber and dense under-
growth.

8.30 Desc. S. slope, 30 ft.

12.30 Foot of desc.; thence over gently rolling land.

40.31 Set an iron post, 3 ft. long, 1 in. ^{indiam}, 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 cedar, 16 ins. ^{indiam}, brs. N. 5° E., 77 lks. dist.,
marked $\frac{1}{4}$ S2 BT.
A cedar, 24 ins. ^{indiam}, brs. S. 64° W., 21 lks. dist.,
marked $\frac{1}{4}$ S3 BT.

64.30 Desc. S. slope, 60 ft.

76.00 Trail in draw, course E.

79.80 Leave heavy enter scattering timber and undergrowth.

80.31 The cor. of sec s. 2, 3, 10 and 11.
Land, rolling.
Soil, rocky 4th rate.
Timber, cedar and pinion.
Undergrowth, scrub oak and buck brush. W.B.K.
April 10, 1913.

H.N.B.

April 9, 1913. At 7 hrs. 55m a.m., l.m.t., I set off 35°
15'N. on the lat. arc; 7°31 $\frac{1}{2}$ 'N. on the decl. arc; and
determine a mer. with the solar at the cor. of secs.
3, 4, 33 and 34, on the S. bdy. of the Tp., ^{recently established}
^{by me} ~~post~~, described in book "M", page 47.

Thence I run
N.0°2'W., bet. secs. 33 and 34.
Desc. NE. slope, 50 ft., through scattering timber and
undergrowth.

2.00 Head of gulch, 5 lks. wide, course E.

13.00 Foot of desc.; leave timber, brs. NW. and SE.

22.35 Trail, brs. NW. and SE.

38.00 Enter scattering timber, and dense undergrowth, brs. NW.
and SE.

40.00 Set an iron post, 3 ft. long, 1 in. ^{indiam}, 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 cedar, 14 ins. ^{indiam}, brs. N. 23 $\frac{1}{2}$ ° E., 53 lks. dist.,
marked $\frac{1}{4}$ S34 BT.
A cedar, 22 ins. ^{indiam}, brs. S. 81° W., 33 lks. dist.,
marked $\frac{1}{4}$ S33 BT.

54.00 Asc. SW. slope, 160 ft.

69.00 Ridge, brs. NW. and SE. Desc. slight N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. ^{indiam}, 24 ins. in
the ground, for cor. of secs. 27, 28, 33 and 34, mark-
ed on brass cap, 1913;
T22N R10W in N. half;
S28 in NW.,
S27 in NE.,
S34 in SE. and
S33 in SW. quadrant; from which,

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	<p>A pinion, 7 ins. ⁱⁿdiam, brs. N. $64\frac{1}{2}^{\circ}$ E., 92 lks. dist., marked T22N R10W S27 BT.</p> <p>A cedar, 20 ins. ⁱⁿdiam, brs. N. $16\frac{1}{2}^{\circ}$ W., 147 lks. dist., marked T22N R10W S28 BT.</p> <p>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 level.</p> <p>Soil, 3rd rate, decomposed granite.</p> <p>Timber, scrub cedar and pinion.</p> <p>Undergrowth, scrub oak and buck brush.</p>
40 .00	S. $89^{\circ}59'$ E., on a random line, bet. secs. 27 and 34.
80.03	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line, $\frac{1}{2}$ lks. N. of the cor. of secs. 26, 27, 34 and 35, which is the true cor., marked on brass cap, 1913.
	Thence I run
	N. $89^{\circ}54'$ W., on a true line, bet. secs. 27 and 34.
	Asc. NE. slope, 65 ft., through scattering timber and dense undergrowth.
12.00	Ridge, brs. NW. and SE. Desc. SW. slope, 130 ft.
30.00	Leave scattering timber, brs. NW. and SE.
40.015	Set an ironpost, 3 ft. long, 1 in. ⁱⁿ diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S27 in N. and S34 in S. half;
	Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. P
41.10	Center of draw, 1 ch. wide, course SE. Asc. NE. slope, 105 ft.
43.00	Enter scattering timber and undergrowth, brs. NW. and SE.
56.00	Top of asc.; thence along N. slope.
70.00	Enter heavy timber, brs. N. and S.
73.35	Leave heavy timber, brs. N. and S.
80.03	The cor. of secs. 27, 28, 33 and 34.
	Land, rolling and hilly.
	Soil, rocky limestone formation, 4th rate.
	Timber, scrub cedar and pinion.
	Undergrowth, scrub oak and buck brush.
	NOTE: - At this corner, I set off $7^{\circ}35'$ N. on the decl. arc; and at the same time and at noon, I observe the sun on the meridian, the resulting lat. is $35^{\circ}15\frac{1}{2}'$ N., which is slightly less than the correct lat.
	N. $0^{\circ}2'$ W., bet. secs. 27 and 28.
	Over rolling land, through scattering timber and undergrowth.
18.75	Draw, 50 lks. wide, course NW.
20.00	Low ridge, brs. NW. and SE.
26.00	Centre of draw, 2 chs. wide, course NW.
30.00	Enter heavy timber, brs. E. and W. Asc. SW. slope, 250 ft.
40.00	Set an iron post, 3 ft. long, 1 in. ⁱⁿ diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S28 in W. and S27 in E. half; from which
	A pinion, 7 ins. ⁱⁿ diam, brs. N. $57\frac{1}{2}^{\circ}$ E., 5 lks. dist., marked $\frac{1}{4}$ S27 BT.
	A pinion, 12 ins. ⁱⁿ diam, brs. N. 81° W., 43 lks. dist., marked $\frac{1}{4}$ S28 BT.
43.00	Leave heavy, enter scattering timber.

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46.50 Ridge, brs. NW. and SE. Desc. N. slope, 40 ft.
 55.15 Gulch, 10 lks. wide, course NE. Thence over rolling land.
 3800 Trail, brs. NE. and SW.
 68.90 Draw, 1 ch. wide, course N E.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam, 24 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on brass cap, 1913;
 T22N R10W in N. half:
 S21 in NW.,
 S22 in NE.,
 S27 in SE. and
 S28 in SW. quadrant; from which
 A cedar, 12 ins. in diam, brs. N. $71\frac{1}{2}^{\circ}$ E., 54 lks. dist., marked T22N R10W S22 BT.
 A cedar, 10 ins. in diam, brs. S. $30\frac{1}{2}^{\circ}$ E., 123 lks. dist., marked T22N R10W S27 BT.
 A cedar, 20 ins. in diam, brs. S. 3° W., 79 lks. dist., marked T22N R10W S28 BT.
 A cedar, 25 ins. in diam, brs. N. 32° W., 75 lks. dist., marked T22N R10W S21 BT.
 Land, mountainous and hilly.
 Soil, limestone formation, very rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush.

April 9, 1913.

April 10, 1913: At 8 hrs. 3 m., a.m., l.m.t., I set off $35^{\circ}16\frac{1}{2}'$ N. on the lat. arc; $7^{\circ}54'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28, above described.
 Thence I run
 S. $89^{\circ}54'$ E., on a random line, bet. secs. 22 and 27.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.95 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 22, 23, 26 and 27,
 Thence I run
 N. $89^{\circ}48'$ W., on a true line, bet. secs. 22 and 27.
 Over rolling land, through scattering timber and undergrowth.
 4.00 Low ridge, brs. NE. and SW.
 17.35 Draw, 70 lks. wide, course NE.
 20.00 Low ridge, brs. NE. and SW.
 39.975 Set an iron post, 3 ft. long, 1 in. in diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S22 in N. and
 $\frac{1}{4}$ S27 in S. half; from which
 A cedar, 16 ins. in diam, brs. N. 53° E., 109 lks. dist., marked $\frac{1}{4}$ S22 BT.
 A cedar, 12 ins. in diam, brs. S. $10\frac{1}{2}^{\circ}$ E., 42 lks. dist., marked $\frac{1}{4}$ S27 BT.
 60.00 Leave timber, brs. N. and S., and enter draw, course NE.
 76.00 Enter timber, brs. NE. and SW., and leave draw. Ascend.
 79.95 The cor. of secs. 21, 22, 27 and 28.
 Land, level and rolling.
 Soil, gumbo, rocky, 3rd and 4th rate.
 Timber, scrub cedar.
 Undergrowth, buck brush.

N. $0^{\circ}2'$ W., bet. secs. 21 and 22.
 Over rolling land, through scattering timber and dense undergrowth.

Chains.

10.00	Low ridge, brs. E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. ⁿ diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S21 in W. and S22 in E. half; from which A cedar, 9 ins. ⁿ diam, brs. N. 32° E., 60 lks. dist., marked $\frac{1}{4}$ S22 BT. A cedar, 18 ins. ⁿ diam, brs. N. 22 $\frac{3}{4}$ ° W., 171 lks. dist., marked $\frac{1}{4}$ S21 BT.
74.00	Leave timber, brs. W. NE. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. ⁿ diam, 24 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked on brass cap, 1913; T22N R10W in N. half; S16 in NW., S15 in NE., S22 in SE. and S21 in SW. quadrant; from which A cedar, 12 ins. ⁿ diam, brs. S. 76 $\frac{1}{4}$ ° W., 263 lks. dist., marked T22N R10W S21 BT. A cedar limb, 6 ins. ⁿ diam, brs. N. 78 $\frac{1}{4}$ ° W., 246 lks. dist., marked T22N R10W S16 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, limestone formation, rocky 4th rate. Timber, scrub cedar. Undergrowth, scrub oak and buck brush.
NOTE	- At this corner, I set off N 7° 57' N. on the decl. arc; and at this corner, I set off N 7° 57' N. on the decl. arc; and at noon, I observe the sun on the meridian, the resulting lat. is 35° 17 $\frac{1}{2}$ ' N., which is slightly higher than the correct lat.
40.00	S. 89° 48' E., on a random line, bet. secs. 15 and 22.
80.32	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 5 lks. N. of the cor. of secs. 14, 15, 22 and 23, marked on brass cap, 1913; S15 in N. and S22 in S. half; from which Thence I run N. 89° 46' W., on a true line, bet. secs. 15 and 22. Over rolling land, through scattering timber and undergrowth.
40.16	Set an iron post, 3 ft. long, 1 in. ⁿ diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S15 in N. and S22 in S. half; from which A cedar, 22 ins. ⁿ diam, brs. N. 12° E., 76 lks. dist., marked $\frac{1}{4}$ S15 BT. A cedar limb, 8 ins. ⁿ diam, brs. S. 54 $\frac{1}{4}$ ° E., 56 lks. dist., marked $\frac{1}{4}$ S22 BT.
75.00	Leave timber, brs. N. and S.
80.32	The cor. of secs. 15, 16, 21 and 22. Land, level and rolling. Soil, rocky 4th rate. Timber, scrub cedar. Undergrowth, scrub oak.
6.00	N. 0° 2' W., bet. secs. 15 and 16. Over rolling land. Enter heavy timber, brs. E. and W.

Chains.

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; $\frac{1}{4}$ S16 in W. and S15 in E. half; from which
 A cedar, 30 ins. diam, brs. S. $57\frac{1}{2}^{\circ}$ E., 148 lks. dist., marked $\frac{1}{4}$ S15 BT.
 A cedar, 25 ins. diam, brs. S. $80\frac{3}{4}^{\circ}$ W., 79 lks. dist., marked $\frac{1}{4}$ S16 BT.

42.00 Leave timber, brs. NE. and SW. Desc. rolling N. slope, 40 ft.

54.00 Enter scattering timber, and undergrowth, brs. E. and W.

72.00 Leave timber, brs. NE. and SW.

76.00 Foot of descent, thence over level land,

80.00 Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on brass cap, 1913; T22N R10W in N. half; S9 in NW., S10 in NE., S15 in SE., and S16 in SW. quadrant;
 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.*
 Land, rolling.
 Soil, gumbo, 2nd and 3rd rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scattering scrub oak and buck brush.
 Heavy timber, 40 chs.

40.00 S. $89^{\circ}46'$ E., on a random line, bet. secs. 10 and 15.
 Set temp. $\frac{1}{4}$ sec. cor.

80.15 Intersect N. and S. line at the cor. of secs. 10, 11, 14 and 15,

Thence I run
 N. $89^{\circ}46'$ W., on a true line, bet. secs. 10 and 15.
 Over rolling land, through scattering timber and undergrowth.

40.075 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 cedar limb, 6 ins. diam, brs. N. 41° W., 24 lks. dist., marked $\frac{1}{4}$ S10 BT.
 A cedar, 10 ins. diam, brs. S. $30\frac{1}{2}^{\circ}$ W., 100 lks. dist., marked $\frac{1}{4}$ S15 BT.

Desc. NW. slope, 35 ft.

44.00 Leave timber, brs. N. and S.

54.00 Foot of desc.; and center of draw, 4 chs. wide, course SW.

56.00 Enter scattering timber, brs. N. and S.

58.00 Low ridge, brs. N. and S. Extends 2 chs. S.

62.00 Leave scattering timber, brs. N. and S.

64.00 Thence over rolling land.

64.40 Road, brs. WNW and ESE.

64.85 Trail, brs. WNW. and ESE.

80.15 The cor. of secs. 9, 10, 15 and 16.
 Land, rolling.
 Soil, 3rd rate gumbo; subsoil hardpan, at 6 to 18 ins.
 Timber, scrub cedar and pinion.

April 10, 1913.

April 15, 1913. At 8hrs 13 m. a.m., l.m.t., I set off $35^{\circ}18\frac{1}{2}'$ N. on the lat. arc; $9^{\circ}43'$ N. on the decl. arc;

Chains.	
	and determine a meridian with the solar at the cor. of secs. 9, 10, 15 and 16.
	Thence I run
	N. $0^{\circ}2'$ W., bet. secs. 9 and 10.
	Over rolling land.
4.85	Road, brs. E. and W.
9.85	Wash, 20 lks. wide, 4 ft. deep, course NW.
24.00	Asc. SW. slope, 30 ft.
28.00	Enter scattering timber, brs. E. and W
40.00	Set an iron post, 3 ft. long, 1 in. ⁱⁿ diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S9 in W. and S10 in E. half; from which
	A cedar, 14 ins. ⁱⁿ diam, brs. $75^{\circ}32\frac{1}{2}'$ E., 56 lks. dist., marked $\frac{1}{4}$ S10 BT.
	A cedar, 8 ins. ⁱⁿ diam, brs. N. $75^{\circ}21'$ W., 55 lks. dist., marked $\frac{1}{4}$ S9 BT.
42.00	Low ridge, brs. E. and W. Desc. NW. slope, 30 ft.
52.00	Draw, 1 ch. wide, course SW.
66.00	Low ridge, brs. E. and W. Leave timber, brs. E. and W.
72.00	Center of draw, 2 chs. wide, course W. Asc. SW. slope, 40 ft.
76.00	Enter timber, brs. E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. ⁱⁿ diam, 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked on brass cap, 1913
	T22N R10W in N. half;
	S4 in NW.,
	S3 in NE.,
	S10 in SE., and
	S9 in SW. quadrant; from which
	A pinion, 8 ins. ⁱⁿ diam, brs. N. $53^{\circ}14'$ E., 26 lks. dist., marked T22N R10W S3 BT.
	A cedar, 18 ins. ⁱⁿ diam, brs. S. 36° E., 84 lks. dist., marked T22N R10W S10 BT.
	A cedar, 24 ins. ⁱⁿ diam, brs. S. 79° W., 17 lks. dist., marked T22N R10W S9 BT.
	A pinion, 12 ins. ⁱⁿ diam, brs. N. $52^{\circ}14'$ W., 17 lks. dist., marked T22N R10W S4 BT.
	Land, level and rolling.
	Soil, gumbo, 3rd and 4th rate, rocky.
	Timber, scrub cedar and pinion.
	Undergrowth, buck brush.
40.00	S. $89^{\circ}46'$ E., on a random line, bet. secs. 3 and 10.
80.34	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line, at the cor. of secs. 2, 3, 10 and 11, marked on brass cap, 1913.
	Thence I run
	N. $89^{\circ}46'$ W., on a true line, bet. secs. 3 and 10.
	Along N. slope, through scattering timber and dense undergrowth.
18.35	Center of draw, 150 lks. wide, course NE. Asc. rolling NE. slope, 50 ft.
40.17	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; $\frac{1}{4}$ S3 in N. and S10 in S. half; from which
	A cedar, 6 ins. ⁱⁿ diam, brs. N. $22^{\circ}12'$ E., 63 lks. dist., marked $\frac{1}{4}$ S3 BT.
	A cedar, 30 ins. ⁱⁿ diam, brs. S. 36° E., 128 lks. dist., marked $\frac{1}{4}$ S10 BT.

Subdivision of T. 22 N., R. 10 W.

Chains.

41.00 Desc. rolling SW. slope, 50 ft.
 74.00 Foot of desc.; thence over rolling land.
 80.34 The cor. of secs. 3, 4, 9 and 10.
 Land, rolling.
 Soil, limestone formation, rocky 3rd and 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak.
 Dense undergrowth, 70. chs.

NOTE: At this corner, I set off 9°46'N. on the decl. arc;
 and, at noon, I observe the sun on
 the meridian, the resulting lat. is 35°19'N., which is
 slightly less than the correct lat.

40.00 N. 0°2'W., on a random line, bet. secs. 3 and 4.
 Set temp. 1/4 sec. cor.
 79.82 Intersect N. bdy. of Tp., 23 lks. W. of the ^{OLD} cor. of secs.
 3, 4, 33 and 34, which is an iron post, 3 ins. dia.,
 12 ins. above ground, marked ^{N. BRASS CAP} and witnessed as described
 by the Surveyor General.
 Thence I run
 S. 0°8'W., on a true line, bet. secs. 3 and 4.
 Over rolling land.
 8.00 Enter scattering timber and undergrowth, brs. NW. and SE.
 Asc. gradual NW slope, 50 ft.
 16.85 Low ridge, brs. E. and W. Thence over rolling land.
 39.82 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 S4 in W. and
 S3 in E. half;
 And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W.
 of cor. Pits impracticable. *No bearing trees within limits.*
 64.80 Centre of draw, 2 chs. wide, course SW.
 70.00 Low ridge, brs. NE. and SW.
 75.00 Centre of draw, 3 chs. wide, course SW.
 79.82 The cor. of secs. 3, 4, 9 and 10.
 Land, rolling.
 Soil, gumbo, 3rd and 4th rate, rocky in places.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak.

April 15, 1913.

April 13, 1913. At 7 hrs. 58 m., a.m., l.m.t., I set off
 35°15'N. on the lat. arc; 9°00'N. on the decl. arc;
 and determine a meridian with the solar at the cor. of
 secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., recently
 established by W.B. Kimmels as described in book "M", page 46
 Thence I run
 N. 0°3'W., bet. secs. 32 and 33.
 Over rolling land, through dense undergrowth.
 2.00 Ridge, brs. E. and W. Desc. NE. slope 100 ft.
 7.40 Granite boulder on line. Enter scattering timber, brs. E.
 and W.
 12.70 Wash, 15 lks. wide, 5 ft. deep, course SW. Asc. rocky S.
 slope, 100 ft.
 16.00 Granite boulder on line.
 20.00 Asc. SE. slope.
 27.00 Top of asc.; thence along E. slope of hill.
 30.00 Desc. NW. slope, 50 ft.
 38.00 End of desc.; thence along W. slope.
 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
 S33 in E. half; from which,

Chains.

	A cedar 5 ins. ⁱⁿ diam, brs. S. 14° E., 55 lks. dist., marked $\frac{1}{4}$ S33 BT.
	A cedar 18 ins. ⁱⁿ diam, brs. S. 58 $\frac{1}{2}$ ° W., 115 lks. dist., marked $\frac{1}{4}$ S32 BT.
44.00	Center of draw, 1 ch. wide, course SW. Asc. rolling SW. slope, 50 ft.
54.00	Low ridge, brs. NW. and SE.
69.65	Gulch, 15 lks. wide, 8 ft. deep, course SW. Asc. SW. slope, 30 ft. Enter heavy timber, brs. E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. ⁱⁿ diam, 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on brass cap, 1913; T22N R10W in N. half;
	S29 in NW., S28 in NE., S33 in SE., and S32 in SW. quadrant; from which
	A cedar, 9 ins. ⁱⁿ diam, brs. N. 47° E., 24 $\frac{1}{2}$ lks. dist., marked T22N R10W S28 BT.
	A cedar, 14 ins. ⁱⁿ diam, brs. S. 24 $\frac{1}{2}$ ° E., 66 lks. dist., marked T22N R10W S33 BT.
	A cedar, 8 ins. ⁱⁿ diam, brs. S. 41° W., 146 lks. dist., marked T22N R10W S32 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, decomposed granite, 4th rate. Timber, scattering cedar. Undergrowth, scrub oak. Dense undergrowth, 80 chs.
40.00	S. 89° 59' E., on a random line, bet. secs. 28 and 33. Set temp. $\frac{1}{4}$ sec. cor.
79.89	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 27, 28, 33 and 34,
	Thence I run
	N. 89° 56' W., on a true line, bet. secs. 28 and 33. Along N. slope, of rocky ridge, through scattering timber and dense undergrowth.
16.00	Desc. SW. slope, 125 ft.
23.00	Leave scattering, enter heavy timber.
20.00	Leave heavy timber, enter scattering,
32.00	Foot of desc.; thence over rolling land.
39.945	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 cedar limb, 9 ins. ⁱⁿ diam, brs. N. 32 $\frac{3}{4}$ ° E., 96 lks. dist., marked $\frac{1}{4}$ S28 BT.
	A cedar, 18 ins. ⁱⁿ diam, brs. S. 77 $\frac{1}{2}$ ° W., 52 lks. dist., marked $\frac{1}{4}$ S33 BT.
54.00	Enter heavy timber, brs. NE. and SW.
62.45	Gulch, 40 lks. wide, 10 ft. deep, course SW. Thence along S. slope of mountain. Leave timber, brs. NE. and SW.
79.89	The cor. of secs. 28, 29, 32 and 33. Land, rolling and hilly. Soil, decomposed granite, 2nd and 3rd rate.; rocky. Timber, scrub cedar and pinion. Undergrowth, scrub oak and buck brush.
NOTE	At this corner I set off 9° 3' N. on the decl. arc; and, at noon, I observe the sun on the meridian, the resulting lat. is 35° 15 $\frac{1}{2}$ ' N., which is only slightly less than the correct lat.

Chains.

19.00 N. 0° 3' W., bet. secs. 28 and 29.
Asc. S. slope, 350 ft. through dense undergrowth.
Top of asc.; thence along E. slope. Enter scattering timber, brs. E. and W.

32.30 Rocky point. Desc. NE. slope, 170 ft.

36.00 Enter heavy timber.

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; $\frac{1}{4}$ S29 in W. and S28 in E. half; from which
A cedar, 15 ins. diam, brs. N. 72° E., 10 lks. dist., marked $\frac{1}{4}$ S28 BT.
A pinion, 6 ins. diam, brs. S. 54 $\frac{1}{2}$ ° W., 25 lks. dist., marked $\frac{1}{4}$ S29 BT.

41.45 Gulch, 5 lks. wide, course E. Asc. slight SE. slope, 45 ft.

48.00 Top of asc.; desc. NE. slope, 50 ft. Leave heavy, enter scattering timber.

74.00 Leave timber, brs. NW. and SE.

74.70 Trail, brs. NW. and SE. Foot of desc.; thence over level land.

80.00 Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked on brass cap, 1913; T22N R10W in N. half; S20 in NW., S21 in NE., S28 in SE., and S29 in SW. quadrant; from which
A cedar, 20 ins. diam, brs. N. 54° E., 153 lks. dist., marked T22N R10W S21 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.
April 13, 1913.

April 14, 1913. At 7 hrs. 48 m., a.m. l.m.t., I set off 35° 16 $\frac{1}{2}$ ' N. on the lat. arc; 9° 21' N. on the decl arc; and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29, above described.

Thence I run S. 89° 56' E., on a random line, bet. secs. 21 and 28.

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

79.92 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 21, 22, 27 and 28,

Thence I run N. 89° 58' W., on a true line, bet. secs. 21 and 28.
Asc. slight. NE. slope, 60 ft., through heavy timber and dense undergrowth.

15.00 Wash, 5 lks. wide, 1 ft. deep, course S.

34.00 Ridge, brs. NE. and SW. Desc. NW. slope, 60 ft.

39.96 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, 20 ins. diam, brs. N. 47° W., 30 lks. dist., marked $\frac{1}{4}$ S21 BT.
A cedar, 14 ins. diam, brs. S. 31 $\frac{1}{2}$ ° E., 27 lks. dist., marked $\frac{1}{4}$ S28 E.

59.00 Leave heavy, enter scattering timber.

79.92 Leave timber, brs. NE. and SW.
Wash, 15 lks. wide, 2 ft. deep, course N. W.
The cor. of secs. 20, 21, 28 and 29.
Land, level and rolling.
Soil, gumbo, 2nd to 4th rate.

Chains.

Timber, scrub cedar and pinion.
Undergrowth, scrub oak.
Heavy timber, 40 chs.

N. $0^{\circ}3'W.$, bet. secs. 20 and 21.
Over rolling land.
.10 Wash, 20 lks. wide, 2 ft. deep, course NW. Asc. SW. slope, 30 ft.
3.00 Enter scattering timber, brs. E. and W.
10.00 Top of asc.; thence along W slope.
17.00 Spur ridge, brs. NW. and SE. Extends 4 chs. NW. Desc. N. slope, 35 ft.
23.00 Center of draw, 2 chs. wide, course NW.
26.00 Asc. slight SW. slope, 85 ft.
32.00 Enter heavy timber, 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; $\frac{1}{4}S20$ in W. and $S21$ in E. half; from which
A pinion, 13 ins. diam, brs. S. $46\frac{1}{4}^{\circ}E.$, 37 lks. dist., marked $\frac{1}{4}S21$ BT.
A pinion, 15 ins. diam, brs. S. $64^{\circ}W.$, 27 lks. dist., marked $\frac{1}{4}S20$ BT.
43.00 Top of asc.; desc. NW. slope, 35 ft.
50.55 3 strand wire fence, brs. NE. and SW. Thence in Miller's pasture. Leave timber, brs. NE. and SW.
60.00 Enter scattering timber, 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. 16, 17, 20 and 21, marked on brass cap, 1913; T22N R10W in N. half; $S17$ in NW., $S16$ in NE., $S21$ in SE. and $S20$ in SW. quadrant; from which
A cedar, 48 ins. diam, brs. S. $47^{\circ}E.$, 133 lks. dist., marked T22N R10W $S21$ BT.
A cedar, 36 ins. diam, brs. S. $23\frac{3}{4}^{\circ}W.$, 137 lks. dist., marked T22N R10W $S20$ 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, rocky 4th rate gumbo.
Timber, scrub cedar and pinion.
Undergrowth, scrub oak and buck brush.
NOTE: - At this corner, I set off $9^{\circ}24\frac{1}{2}'N.$ on the decl. arc; and ~~at noon~~, and at noon, I observe the sun on the meridian the resulting lat. is $35^{\circ}17\frac{1}{2}'N.$, which is slightly higher than the correct lat.

S. $89^{\circ}58'E.$, on a random line, bet. secs. 16 and 21.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.78 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 15, 16, 21 and 22, ~~marked on brass cap, 1913; T22N R10W in N. half;~~
Thence I run
S. $89^{\circ}56'W.$, on a true line, bet. secs. 16 and 21.
Over rolling land.
1.80 Enter timber, brs. N. and S.
8.00 Leave heavy, enter scattering timber, brs. N. and S. Asc. gentle NE. slope, 35 ft.
16.00 Top of asc.; thence along N. slope.

Chains.

18.00 Desc. NW. slope, 55 ft.
 24.00 Draw, 50 lks. wide, course N. Asc. NE. slope 105 ft.
 36.00 Ridge, brs. N. and S. Desc. NW. slope, 100 ft.
 39.89 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; $\frac{1}{4}$ S16 in N. and S21 in S. half; And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. *No bearing trees within limits.*
 44.40 Gulch, 50 lks. wide, course N. Asc. NE. slope, 145 ft.
 62.00 Ridge, brs. N. and S. Desc. NW. slope, 210 ft.
 70.00 Enter heavy timber, brs. NW. and SE.
 76.60 3 strand wire fence, brs. NE. and SW. Enter Miller's pasture.
 79.78 The cor. of secs. 16, 17, 20 and 21. Land, mountainous and hilly. Soil, rocky 4th rate, limestone formation. Timber, scrub cedar and pinion. Undergrowth, scrub oak and buck brush. Mountainous land, 40.00 chs.; heavy timber, 18.00 chs.; dense undergrowth, 70. chs.

April 14, 1913.

H.N.B.

W.B.K.

April 15, 1913. At 8 hrs. 3 m., a.m., l.m.t., I set off $35^{\circ}17\frac{1}{2}'$ N. on the lat. arc; $9^{\circ}43'$ 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. $0^{\circ}3'W.$, bet. secs. 16 and 17. Over rolling land, through scattering timber and dense undergrowth.
 3.00 Draw, course NE.
 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; $\frac{1}{4}$ S13 in W. and S16 in E. half; from which
 A cedar, 36 ins. diam., brs. S. $33\frac{1}{2}^{\circ}E.$, 367 lks. dist., marked $\frac{1}{4}$ S16 BT.
 A cedar, 26 ins. diam., brs. S. $27\frac{1}{2}^{\circ}W.$, 394 lks. dist., marked $\frac{1}{4}$ S17 BT.
 60.00 Leave timber, brs. E. and W.
 72.25 Wire fence, brs. E. and W.
 73.55 Road, brs. E. and W.
 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; T22N R10W in N. half; S8 in NW., S9 in NE., S16 in SE. and S17 in SW. quadrant; from which
 A cedar, 40 ins. diam., brs. N. $82\frac{1}{2}^{\circ}E.$, 294 lks. dist., marked T22N R10W S9 BT.
 A cedar, 36 ins. diam., brs. S. $74\frac{1}{2}^{\circ}E.$, 327 lks. dist., marked T22N R10W S16 BT.
 A cedar, 20 ins. diam., brs. N. $50^{\circ}W.$, 61 lks. dist., marked T22N R10W S8 BT. No other tree within limits. Raise a mound of stone 2 ft. base
 Land, rolling. *Kiff high N. of cor. Pits impracticable.*
 Soil, gumbo, and clay; rocky 3rd and 4th rate.
 Timber, cedar and pinion.
 Undergrowth, scrub oak and buckbrush.

Chains	
40.00	N. 89° 56' E., on a random line, bet. secs. 9 and 16.
79.94	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line, 23 lks. N. of the cor. of secs. 9, 10, 15 and 16,
	Thence I run
	N. 89° 54' W., on a true line, bet. secs. 9 and 16.
	Over level land.
3.00	Asc. NE. slope, 30 ft.
17.00	Top of asc.; thence over level land.
	Enter scattering timber, brs. N. and S.
22.00	Leave scattering timber, brs. N. and S.
39.00	Enter scattering timber, brs. N. and S.
39.97	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;
	$\frac{1}{4}$ S9 in N. and
	S16 in S. half; from which
	A cedar, 8 ins. ^m diam, brs. N. 10° W., 46 lks. dist. marked $\frac{1}{4}$ S9 BT.
	A cedar, 14 ins. ^m diam, brs. S. 41° W., 11 lks. dist., marked $\frac{1}{4}$ S16 BT.
40.50	Leave scattering timber, brs. N. and S.
56.00	Enter heavy timber, brs. N. and S.
65.00	Leave heavy timber, brs. N. and S.
68.10	Road, brs. NE. and SW.
78.00	Enter scattering timber, brs. N. and S.
79.00	Leave scattering timber, brs. NW. and SE.
79.94	The cor. of secs. 8, 9, 16 and 17.
	Land, level and rolling.
	Soil, clay and gumbo, 2nd to 4th rate.
	Timber, scrub cedar.
	NOTE - At this corner, I set off 9° 46' N. on the decl. arc; and at noon and, at noon, I observe the sun on the meridian, the resulting lat. is 35° 18' N., which is slightly less than the correct lat.
	N. 0° 3' W., bet. secs. 8 and 9.
	Over rolling land, through scattering timber.
4.00	Leave scattering timber and undergrowth, brs. NW. and SE.
19.00	Trail, brs. E. and W.
35.95	Trail, brs. E. and W.
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;
	$\frac{1}{4}$ S8 in W. and
	S9 in E. half;
	Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor. <i>No bearing trees within limits.</i>
64.80	Trail, brs. E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. ^m diam, 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked on brass cap, 1913;
	T22N R10W in N. half;
	S5 in NW.,
	S4 in NE.,
	S9 in SE. and
	S8 in SW. quadrant;
	Dig pits, 18 X 18 X 12 ins. in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	A lone cedar, 24 ins. ^m diam, brs. N. 18° W., 532 lks. dist., marked T22N R10W S5 BT. This tree is also peeled and marked with black paint "Yavapai County line" on E. side, and "Mojave County line" on W. side.
	Land, rolling.

Chains.

Soil, clay and gumbo, 2nd and 3rd rate.
Timber, scrub cedar.

W.B.K.

H.N.B.

40.00 S. $89^{\circ} 54' E.$, on a random line, bet. secs. 4 and 9.
 79.82 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 14 lks. S. of the cor. of secs.
 3, 4, 9 and 10,
 Thence I run
 West, on a true line, bet. secs. 4 and 9.
 Over rolling land, through scattering timber and under-
 growth.
 20.25 Trail, brs. NW. and SE.
 39.96 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;
 $\frac{1}{4}$ S4 in N. and
 $\frac{1}{4}$ S9 in S. half; from which
 A cedar, 14 ins. diam, brs. S. $2\frac{1}{2}^{\circ} W.$, 76 lks. dist.,
 marked $\frac{1}{4}$ S9 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.
 Leave timber, brs. NE. and SW.
 47.00 Trail, brs. NE. and SW.
 76.00 Leave undergrowth, brs. N. and S.
 79.82 The cor. of secs. 4, 5, 8 and 9.
 Land, rolling.
 Soil, gumbo, 3rd rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak.

H.N.B.

W.B.K.

40.00 N. $0^{\circ} 3' W.$, on a random line, bet. secs. 4 and 5.
 79.80 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect the N. bdy of the Tp., 2 lks. W. of the ^{old} cor.
 of secs. 32, 33, 4 and 5, 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
 S. $0^{\circ} 2' E.$, on a true line, bet. secs. 4 and 5.
 Over rolling land, through scattering timber.
 39.80 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
 $\frac{1}{4}$ S4 in E. half; from which
 A cedar, 20 ins. diam, brs. N. $53\frac{3}{4}^{\circ} E.$, 220 lks. dist.,
 marked $\frac{1}{4}$ S4 BT.
 A cedar, 26 ins. diam, brs. S $34\frac{1}{2}^{\circ} W.$, 474 lks. dist.,
 marked $\frac{1}{4}$ S5 BT.
 79.80 The cor. of secs. 4, 5, 8 and 9.
 Land, level and rolling.
 Soil, clay and gumbo, 2nd and 3rd rate.
 Timber, very scattering cedar.

W.B.K.

April 15, 1913.

H.N.B.

April 11, 1913: At 8 hrs. 20 m., a.m., l.m.t., I set off
 $35^{\circ} 15' N.$ on the lat. arc; $8^{\circ} 16' N.$ on the decl. arc;
 and determine a meridian with the solar at the witness cor.
 to cor. of secs. 5, 6, 31 and 32, on the S. bdy. of
 the Tp., recently established by W.B. Kimmel 1.50 chs. N. $0^{\circ} 3' W.$
 of the point for sec., cor.; this ^{cor.} is described
 in book "M", page 45.

Chains.

	Thence I run, from true point for cor.
	✓ N. 0° 3' W., bet. secs. 31 and 32.
	Over rolling land, through scattering timber and dense undergrowth
1.50	W.C. 15 lks. wide, 8 ft. deep, course SW.
16.00	Wash, 15 lks. wide, 8 ft. deep, course SW.
22.00	Wash, 15 lks. wide, 2 ft. deep, 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; $\frac{1}{4}$ S31 in W. and $\frac{1}{4}$ S32 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>
44.00	Along low ridge, brs. N. and S.
58.00	Desc. N. slope, 30 ft.
66.00	Gulch, 20 lks. wide, course SW. Asc. slight SW. alope.
76.00	Low ridge, 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. 29, 30, 31 and 32, marked on brass cap, 1913;
	T22N R10W in N. half;
	S30 in NW.,
	S29 in NE.,
	S32 in SE. and
	S31 in SW. quadrant; from which
	A cedar, 9 ins. diam, brs. N. 31 $\frac{1}{4}$ ° E., 124 lks. dist., marked T22N R10W S29 B T.
	A cedar, 24 ins. diam, brs. S. 55 $\frac{3}{4}$ ° E., 206 lks. dist., marked T22N R10W S32 B T.
	A cedar, 9 ins. diam, brs. S. 82 $\frac{1}{2}$ ° W., 160 lks. dist., marked T22N R10W S31 B T.
	A cedar, 7 ins. diam, brs. N. 70° W., 192 lks. dist., marked T22N R10W S30 B T.
	Land, rolling.
	Soil, decomposed granite and gumbo, 3rd and 4th rate.
	Timber, scrub cedar and pinion.
	Undergrowth, scrub oak and buck brush.
40.00	S. 89° 59' E., on a random line, bet. secs. 29 and 32.
79.96	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line, 12 lks. S. of the cor. of secs. 28, 29, 32 and 33, marked on brass cap, 1913;
	Thence I run
	✓ S. 89° 56' W., on a true line, bet. secs. 29 and 32.
	Along S. slope, of mountain, through scattering timber and dense undergrowth.
12.00	Desc. SW. slope, 35 ft.
18.00	Centre of draw, 3 chs. wide, course SE. Asc.
22.00	Asc. E. slope, 60 ft.
27.00	Spur ridge, brs. N. and S. Extends 4 chs. N. Desc. NW. slope, 85 ft.
35.80	End of desc.; thence along N. slope.
39.98	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; $\frac{1}{4}$ S29 in N. and $\frac{1}{4}$ S32 in S. half; from which
	A pinion, 5 ins. diam, brs. N. 59 $\frac{1}{4}$ ° E., 20 lks. dist., marked $\frac{1}{4}$ S29 B T.
	A cedar, 9 ins. diam, brs. S. 45 $\frac{1}{4}$ ° E., 41 lks. dist., marked $\frac{1}{4}$ S32 B T.
	Thence over rolling broken land.
43.00	Draw, 25 lks. wide, course NW.
47.50	Low ridge, brs. N. and S.

Subdivision of T. 22 N., R. 10 W.

Chains.

57.00 Draw, 50 lks. wide, course NE.
 62.00 Low ridge, brs. N. and S.
 64.00 Draw, 1 ch. wide, course SW.
 70.00 Low ridge, brs. NE. and SW.
 79.96 The cor. of secs. 29, 30, 31 and 32.
 Land, rolling and hilly.
 Soil, rocky 4th rate.
 Timber, scrub cedar and pinion.

NOTE: At this corner, I set off $8^{\circ}19\frac{1}{2}'$ N. on the decl. arc; ~~and at station, I observe the sun on~~
 the meridian, the resulting lat. is $35^{\circ}15\frac{1}{2}'$ N., which is
 slightly less than the correct lat.

40.00 N. $89^{\circ}59'W.$, on a random line, bet. secs. 30 and 31.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.83 Intersect W. bdy. of Tp., 12 lks. N. of the cor. of secs.
 25, 30, 31 and 36, recently established by W. B. Kimmel as described in
 book "M", page 42.
 Thence I run
 N. $89^{\circ}56'E.$, on a true line, bet. secs. 30 and 31.
 Asc. slight SW. slope, through heavy timber.
 12.00 Leave heavy, enter scattering timber and undergrowth.
 15.00 Rocky ridge, brs. NW. and SE. Desc. NE. slope, 120 ft.
 18.00 Enter heavy timber, brs. NW. and SE.
 32.60 Gulch, 5 lks. wide, course NE.
 35.00 Ridge, brs. NE. and SW. Desc. NE. slope, 60 ft.
 39.83 Leave heavy timber, brs. N. and S.
 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;
 $\frac{1}{4}S30$ in N. and
 $S31$ in S. half; from which
 A cedar limb, 16 ins. diam, brs. N. $32\frac{1}{4}^{\circ}W.$, 17 lks. dist.,
 marked $\frac{1}{4}S30$ BT.
 A pinion, 15 ins. diam, brs. S. $15\frac{1}{2}^{\circ}E.$, 71 lks. dist.,
 marked $\frac{1}{4}S31$ BT.
 42.00 Foot of desc.; thence over level land.
 46.30 Wash, 30 lks. wide, 5 ft. deep, course S.
 60.55 Wash, 30 lks. wide, 4 ft. deep, course S.
 69.35 Wash, 45 lks. wide, 5 ft. deep, course S.
 69.85 Road, brs. N. and S.
 Enter scattering timber, brs. N. and S.
 79.84 The cor. of secs. 29, 30, 31 and 32.
 Land, rolling and hilly.
 Soil, gumbo 2nd rate on level; rocky 4th rate on slopes.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak and buck brush.

N. $0^{\circ}3'W.$, bet. secs. 29 and 30.
 Asc. S. slope, 40 ft., through scattering timber and
 undergrowth.
 8.00 Low ridge, brs. NE. and SW. Desc. NW. slope, 35 ft.
 20.00 Foot of desc.; thence over level land.
 20.60 Road, brs. NE. and SW.
 24.00 Wash, 8 lks. wide, 2 ft. deep, course SW.
 30.00 Leave timber, brs. NE. and SW.
 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;
 $\frac{1}{4}S30$ in W. and
 $S29$ in E. half; from which
 A cedar limb, 12 ins. diam, brs. N. $67\frac{1}{2}^{\circ}E.$, 353 lks.
 dist., marked $\frac{1}{4}S29$ BT.
 A cedar, 18 ins. diam, brs. S. $28^{\circ}W.$, 215 lks. dist.,

Chains.

- marked $\frac{1}{4}$ S30 BT.
- 52.00 Asc. SE. slope 50 ft. Enter scattering timber and undergrowth, brs. NE. and SW.
- 59.00 Top of asc.; E. end of rocky ridge, brs. E. and W.
- 64.10 Desc. NE. slope, 40 ft.
- 64.10 Road, brs. E. and W. Foot of desc.; asc. slight SE. slope, 30 ft.
- 74.00 Top of asc.; thence along E. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins.ⁿ diam, 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked on brass cap, 1913;
T22N R10W in N. half;
S19 in NW.,
S20 in NE.,
S29 in SE. and
S30 in SW. quadrant; from which
A cedar, 30 ins.ⁿ diam, brs. N. 83° E., 153 lks. dist., marked T22N R10W S20 BT.
A cedar, 6 ins.ⁿ diam, brs. S. 61 $\frac{1}{2}$ ° E., 84 lks. dist., marked T22N R10W S29 BT.
A cedar, 5 ins.ⁿ diam, brs. S. 45 $\frac{3}{4}$ ° W., 197 lks. dist., marked T22N R10W S30 BT.
A cedar, 6 ins.ⁿ diam, brs. N. 53 $\frac{1}{4}$ ° W., 75 lks. dist., marked T22N R10W S19 BT.
- Land, rolling.
Soil, clay and gumbo, 2nd to 4th rate; rocky in places.
Timber, scrub cedar and pinion.
Undergrowth, scrub oak.
-
- 40.00 N. 89° 56' E., on a random line, bet. secs. 20 and 29. Set temp. $\frac{1}{4}$ sec. cor.
- 79.85 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 20, 21, 28 and 29, marked on brass cap, 1913.
- Thence I run
S. 89° 52' W., on a true line, bet. secs. 20 and 29.
- Over level land,
- 24.40 Trail, brs. NW. and SE. Asc. NE. slope, 50 ft.
- 3.00 Enter scattering timber, brs. N. and S.
- 16.00 Spur ridge, brs. N. and S.; extends 4 chs. N. Desc. NW. slope, 35 ft.
- 22.00 Head of gulch, 8 lks. wide, course N. Asc. NE. slope, 110 ft. Leave timber, brs. N. and S.
- 36.00 Top of asc.; thence along S. slope.
- 39.925 Set an iron post, 3 ft. long, 1 in.ⁿ diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S20 in N. and
S29 in S. half; from which
A cedar, 12 ins.ⁿ diam, brs. S. 35° E., 29 lks. dist., marked $\frac{1}{4}$ S29 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.
Desc. SW. slope, 350 ft.
- 44.75 Rocky precipice, 30 ft. high. Leave scattering timber, brs. N. and S.
- 60.00 Foot of desc.; thence over rolling land. Enter scattering timber, brs. NW. and SE.
- 63.35 Wash, 15 lks. wide, 4 ft. deep, course SW.
- 73.35 Center of draw, 2 chs. wide, course SE.
- 76.40 Center of draw, 1 ch. wide, course SW. Asc. SE. slope, 35 ft.
- 79.85 The cor. of secs. 19, 20, 29 and 30.
Land, rolling and mountainous.

Chains.

Soil, rocky 4th rate.
Timber, scrub cedar and pinion.
Undergrowth, scrub oak and buck brush.
April 11, 1913.

April 12, 1913.
S. $89^{\circ}56'W.$, on a random line, bet. secs. 19 and 30.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.82 Intersect W. bdy. of Tp., 2 lks N. of the cor. of secs. 19, 24, 25 and 30, recently established by W.B. Kimmel as described in book "M" page 41.
Thence I run
N. $89^{\circ}55'E.$, on a true line, bet. secs. 19 and 30.
Asc. SW. slope, 70 ft., through heavy timber and dense undergrowth.
8.00 Thence along S. slope of hill.
16.00 Desc. SE. slope, 220 ft.
39.82 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, 6 ins. diam, brs. N. $11\frac{1}{4}^{\circ}E.$, 39 lks. dist., marked $\frac{1}{4}S19$ BT.
A cedar, 30 ins. diam, brs. S. $56\frac{1}{4}^{\circ}E.$, 61 lks. dist., marked $\frac{1}{4}S30$ BT.
45.30 Wash, 12 lks. wide, 3 ft. deep, course S.
45.50 Trail, brs. N. and S.
46.15 Road, brs. N. and S.
48.00 Asc. W. slope, 40 ft.
60.00 Thence along steep S. slope.
66.00 Desc. SE. slope, 40 ft.
79.82 The cor. of secs. 19, 20, 29 and 30.
Land, mountainous and hilly.
Soil, rocky 4th rate.
Timber, scrub cedar and pinion.
Undergrowth, scrub oak and buck brush.
Heavily timbered land, 75 chs.

NOTE:— At 9 hrs. 20 m., a.m., l.m.t., I set off $35^{\circ}16\frac{1}{2}'N.$ on the lat. arc; $8^{\circ}39'N.$ 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. $0^{\circ}3'W.$, bet. secs. 19 and 20.
Asc. SE. slope, 160 ft., through scattering timber and dense undergrowth.
24.00 Ridge, brs. E. and W. Desc. NW. slope, 50 ft.
32.00 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;
 $\frac{1}{4}S19$ in W. and
 $\frac{1}{4}S20$ in E. half; from which
A cedar, 5 ins. diam, brs. S. $18\frac{1}{4}^{\circ}E.$, 64 lks. dist., marked $\frac{1}{4}S20$ BT.
A cedar, 6 ins. diam, brs. N. $76^{\circ}W.$, 33 lks. dist., marked $\frac{1}{4}S19$ BT.
Asc. gradual S. slope, 40 ft.
60.00 Top of asc.; desc. NW. slope, 55 ft.
74.00 Foot of desc.; thence across draw., course SW.
74.40 Road, brs. N. and SW.
76.00 Asc. SE. slope, 35 ft.
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;

Chains.

T22N R10W in N. half;

S18 in NW.,

S17 in NE.,

S20 in SE., and

S19 in SW. quadrant;

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*

Land, rolling and hilly.

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

Timber, scattering cedar.

Undergrowth, scrub oak and buck brush.

April 12, 1913.

April 14, 1913.

N. $89^{\circ} 52' E.$, on a random line, bet. secs. 17 and 20.40.00 Set temp. $\frac{1}{4}$ sec. cor.79.94 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
16, 17, 20 and 21, *with an iron post, 26 ins. long*

Thence I run

S. $89^{\circ} 51' W.$, on a true line, bet. secs. 17 and 20.Desc. NW. slope, 20 ft., through scattering timber, and
undergrowth.

2.00 Gulch, 10 lks. wide, course N. Asc. NE. slope, 85 ft.

12.00 Rocky ridge, brs. N. and S. Thence over rolling land,
desc. NW. slope, 100 ft.34.85 3 strand wire fence, brs. NW. and SE. Leave Miller's
pasture.39.97 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; $\frac{1}{4}$ S 17 in N. and
S20 in S. half; from whichA cedar, 8 ins. diam, brs. N. $51^{\circ} W.$, 159 lks. dist.,
marked $\frac{1}{4}$ S17 BT.A cedar, 50 ins. diam, brs. S. $56\frac{1}{2}^{\circ} E.$, 263 lks. dist.,
marked $\frac{1}{4}$ S20 BT.

45.00 Wash, 30 lks. wide, 3 ft. deep, course NW Leave timber.

45.72 Miller's dam brs. S. $48^{\circ} E.$, about 35 chs. dist.

45.85 Road, brs. NW. and SE.

54.00 Asc. slight NE. slope, 30 ft.

62.00 Low spur ridge, brs. NW. and SE. Extends 1 ch. N.W.

Desc. gentle NW. slope.

71.50 Wash, 45 lks. wide, 4 ft. deep, course NW.

73.20 Road, brs. N. and S.

74.00 Asc. NE. slope, 40 ft.

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

Land, rolling and hilly.

Soil, gumbo, 2nd to 4th rate; rocky on slopes.

Timber, scattering scrub cedar.

Undergrowth, scrub oak and buck brush.

April 14, 1913.

April 12, 1913. At the cor. of secs. 17, 18, 19 and 20,

I set off $48^{\circ} 41' N.$ on the decl. arc; and at*noon*, I observe the sun on the meridianthe resulting lat. is $35^{\circ} 17\frac{1}{2}' N.$, which is *slightly**higher* than the correct lat.

Thence I run

S. $89^{\circ} 55' W.$, on a random line, bet. secs. 18 and 19.40.00 Set temp. $\frac{1}{4}$ sec. cor.79.75 Intersect W. bdy. of Tp., at the cor. of secs. 13, 18,
19 and 24, *recently estab. by W.B. Kimmel as described in book "M",*
page 40.

Thence I run

N. $89^{\circ} 55' E.$, on a true line, bet. secs. 18 and 19.

Subdivision of T. 22 N., R. 10 W.

Chains.

Asc. rolling W. slope, 50 ft., through scattering timber and undergrowth.

32.00 Ridge, brs. N. and S.

35.00 Desc. E. slope, 70 ft.

39.75 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; $\frac{1}{4}$ S18 in N. and S19 in S. half; from which

A cedar, 5 ins.ⁿdiam, brs. N. 7° E., 53 lks. dist., marked $\frac{1}{4}$ S18 BT.

A cedar, 12 ins.ⁿdiam, brs. S. 1 $\frac{1}{4}$ ° E., 62 lks. dist., marked $\frac{1}{4}$ S19 BT.

43.35 Gulch, 10 lks. wide, 4 ft. deep, course N. Asc. W. slope, 35 ft.

53.00 Top of asc.; thence over rolling land.

60.00 Leave timber, and undergrowth, brs. N. and S.

70.00 Desc. SE. slope, 40 ft.

79.75 The cor. of secs. 17, 18, 19 and 20.
Land, rolling.
Soil, gumbo, 3rd and 4th rate; rocky.
Timber, scrub cedar and pinion.
Undergrowth, scrub oak and buck brush.

N. 0° 3' W., bet. secs. 17 and 18.

Along E. slope, of hill, through scattering timber and undergrowth.

12.00 Desc. NW. slope, 50 ft. Leave timber, brs. E. and W.

22.30 Trail, brs. NE. and SW. Foot of desc.; thence over level land.

22.70 Wash, 10 lks. wide, 2 ft. deep, course NE.

24.80 Trail, brs. NE. and SW.

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; $\frac{1}{4}$ S18 in W. and S17 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.*

50.70 Wash, 20 lks. wide, 2 ft. deep, course NW.

52.10 Road, brs. NW. and SE.

57.00 Partially completed earth dam, about 3 chs. long. When completed, will extend about 75 lks. into sec. 17. Belongs to Miller.

57.20 Asc. SW. slope, 35 ft.

69.30 Top of asc.; low ridge, brs. NW. and SE. Enter scattering timber, brs. E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins.ⁿdiam, 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap, 1913; T22N R10W in N. half;

S7 in NW.,
S8 in NE.,
S17 in SE., and
S18 in SW. quadrant; from which

A cedar limb, 36 ins.ⁿdiam, brs. N. 82° E., 177 lks. dist., marked T22N R10W S8 BT.

A cedar, 8 ins.ⁿdiam, brs. S. 72 $\frac{1}{4}$ ° E., 65 lks. dist., marked T22N R10W S17 BT.

A cedar, 28 ins.ⁿdiam, brs. S. 37 $\frac{3}{4}$ ° W., 150 lks. dist., marked T22N R10W S18 BT.

A cedar, 40 ins.ⁿdiam, brs. N. 19 $\frac{1}{4}$ ° W., 379 lks. dist., marked T22N R10W S7 BT.

Land, rolling and hilly.
Soil, gumbo, 2nd to 4th rate, rocky on hill.
Timber, scrub cedar.
Undergrowth, scrub oak.

Chains.

✓ N. $89^{\circ}51'11''$ E., on a random line, bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.83 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
 8, 9, 16 and 17,
 Thence I run
 ✓ S. $89^{\circ}54'11''$ W., on a true line, bet. secs. 8 and 17.
 Over rolling land.
 31.85 Wash, 15 lks. wide, 2 ft. deep, course N.
 39.915 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;
 $\frac{1}{4}$ S8 in N. and
 $\frac{1}{4}$ S17 in S. half;
 And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.
 of cor. Pits impracticable. *No bearing trees within limits.*
 66.00 Low ridge, brs. N. and S.
 78.00 Enter scattering timber, brs. N. and S.
 79.83 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, gumbo, 2nd and 3rd rate.
 Timber, scrub cedar.
 Undergrowth, sagebrush.

April 12, 1913.

April 19, 1913: At 9 hrs. 30 m., a.m., l.m.t., I set off
 $35^{\circ}18\frac{1}{2}'$ N. on the lat. arc; $11^{\circ}8\frac{1}{2}'$ N. on the decl. arc;
 and determine a meridian with the solar at the cor. of secs.
 7, 8, 17 and 18,
 Thence I run
 ✓ S. $89^{\circ}55'11''$ W. on a random line, bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.45 Intersect W. bdy. of Tp., 21 lks. S. of the cor. of secs.
 7, 12, 13 and 18, recently estab. by W.B. Kimmel as, described in
 book "M", page 40.
 Thence I run
 ✓ S. $89^{\circ}56'11''$ E., on a true line, bet. secs. 7 and 18.
 Over level land.
 2.00 Wash, 18 lks. wide, 2 ft. deep, course S. Asc. rolling
 SW. slope, 60 ft.
 2.65 Road, brs. NE. and SW.
 5.30 Wire fence, brs. NE. and SW. Thence in Mund's pasture.
 24.17 Mund's ranch house brs. N. $2^{\circ}40'$ E.
 Well brs. N. 7° E.
 Tank brs. N. $7^{\circ}54'$ E.
 25.00 Enter scattering timber, brs. N. and S.
 34.00 Low ridge, brs. NW. and SE. Desc. NE. slope, 30 ft.
 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;
 $\frac{1}{4}$ S7 in N. and
 $\frac{1}{4}$ S18 in S. half; from which
 A cedar, 5 ins. diam, brs. N. 74° E., 17 lks. dist.,
 marked $\frac{1}{4}$ S7 BT.
 A cedar, 5 ins. diam, brs. S. 41° E., 18 lks. dist.,
 marked $\frac{1}{4}$ S18 BT.
 44.85 3 strand wire fence brs NW. and SE. Leave Mund's pasture.
 51.45 Ridge, brs. NW. and SE., descend.
 68.30 Road, brs. NW. and SE., ascend.
 79.45 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, gumbo, 2nd to 4th rate, rocky in places.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak.

Subdivision of T. 22 N., R. 10 W.

Chains .
 N. 0° 3' W., bet. secs. 7 and 8.
 Desc. slight N. slope, through scattering timber.
 4.00 Leave timber, brs. E. and W.
 13.00 Trail brs. E. and W.
 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;
 $\frac{1}{4}$ S7 in W. and
 S8 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.*
 57.00 Trail, brs. NE. and SW.
 60.00 Trail, brs. NE. and SW.
 80.00 Set an iron post, 3 ft. long, 2 ins.^m diam, 24 ins. in the
 ground, for cor. of secs. 5, 6, 7 and 8, marked on
 brass cap, 1913;
 T22N R10W in N. half;
 S6 in NW.,
 S5 in NE.,
 S8 in SE., and
 S7 in SW. quadrant;
 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.*
 Land, level and rolling.
 Soil, gumbo, 2nd and 3rd rate.
 Timber, scrub cedar.
 Undergrowth, sagebrush.

40.00 N. 89° 54' E., on a random line, bet. secs. 5 and 8.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.72 Intersect N. and S. line, 12 lks. S. of the cor. of secs.
 4, 5, 8 and 9,
 Thence I run
 S. 89° 49' W., on a true line, bet. secs. 5 and 8.
 Over level land.
 20.00 Low spur ridge, brs. NE. and SW.
 33.45 Wash, 12 lks. wide, 1 ft. deep, course SW.
 35.83 Trail, brs. NE. and SW.
 39.86 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;
 $\frac{1}{4}$ S5 in N. and
 S8 in S. half;
 And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N.
 of cor. Pits impracticable. *No bearing trees within limits.*
 79.70 Trail, brs. NE. and SW.
 79.72 The cor. of secs. 5, 6, 7 and 8.
 Land, level and rolling.
 Soil, gumbo, 2nd and 3rd rate.
 No timber, or undergrowth.
 NOTE: At this corner, I set off 11° 10 $\frac{1}{2}$ ' N. on the decl. arc;
 and at noon, I observe the sun on
 the meridian, the resulting lat. is 35° 19' N., which is
 slightly less than the correct lat.

40.00 N. 89° 56' W., on a random line, bet. secs. 6 and 7.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.28 Intersect W. bdy. of Tp., 4 lks. S. of the Witness cor..
 to cor. of secs. 1, 6, 7 and 12, recently established by W.B. Kimmel as
 described in book "M", page 39, set 50 lks N. of point
 for cor. of secs. 1, 6, 7 and 12; thence I run
 East, on a true line, bet. secs. 6 and 7.
 Asc. SW. slope, 2 5 ft.
 4.00 Low ridge, brs. N. and S. Enter scattering undergrowth,
 brs. N. and S.

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Subdivision of T. 22 N., R. 10 W.

Chains.

32.55 Wash, 10 lks. wide, 1 ft. deep, course SE. Asc. SW. slope, 35 ft.

39.28 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; $\frac{1}{4}$ S6 in N. and S7 in S. half; from which

A cedar, 24 ins.^m diam, brs. S. 77° E., 160 lks. dist., marked $\frac{1}{4}$ S7 BT.

No other trees within limits. Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

61.70 Road, brs. N. and S.

79.28 The cor. of secs. 5, 6, 7 and 8.
Land, level and rolling.
Soil, gumbo, 2nd and 3rd rate.
No timber.
Undergrowth, scrub oak.

40.00 N. 6° 3' W., on a random line, bet. secs. 5 and 6.
Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect N. bdy. of Tpc, 26 lks. E. of the ^{old} cor. of secs. 5, 6, 31 and 32, which is an iron post, 3 ins.^m diam, 12 ins. above ground, marked ^{on} ^{brass} ^{cap} and witnessed as described by the Surveyor General.

Thence I run

S. 0° 14' E., on a true line, bet. secs. 5 and 6.
Over rolling land, through scattering timber and undergrowth.

6.00 Leave timber, brs. NW. and SE. Continue through scattering undergrowth.

25.80 Road, brs. NE. and SW.

39.94 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; $\frac{1}{4}$ 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.*

Leave scattering undergrowth, brs. E. and W.

50.00 Low spur ridge, brs. NE. and SW.; extends 50 lks. SW.

79.94 The cor. of secs. 5, 6, 7 and 8.
Land, rolling.
Soil, gumbo, 2nd to 4th rate.
Timber, scrub cedar.
Undergrowth, scrub oak.

H. N. B.
April 19, 1913.

General Description.

The land in this Tp. is mountainous in the SW., and rolling and hilly in the SE., NE. and NW. quarters. This Tp. contains clay and gumbo soil, all more or less covered with volcanic rocks and boulders. The formation in secs. 31 and 32 is granite, and the soil is composed very largely of decomposed granite. There are large areas on the ridges composed of limestone ledges, either bare, or thinly covered with poor soil. Scrub cedar and pinion trees cover all the Tp., excepting sec. 1 and a long valley, extending through secs. 4, 5, 6 and 7. Buck brush and scrub oak undergrowth is very plentiful.

Subdivision of T. 22 N., R. 10 W.

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There are no settlers, nor is any of the land under cultivation. There is a well of good water in sec. 7, equipped with a gasoline pump. Cattle and sheep range over this land, and water at the tank in sec. 17 and in others just outside the Tp. In this season of the year, there is almost no feed.

William B. Kimmel.

U. S. Surveyor.

St. Louis, Mo.

U. S. Transitman.

BOOK 2037

For FINAL OATH OF UNITED STATES SURVEYOR.
see Book " L "

(Subdivision of E $\frac{1}{2}$ of T.25 N., R.17 W.) & TRANSITMAN

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

U. S. Surveyor.

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona OCT 5 1914

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

Township No .22 North, Range No .10 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 ~~his~~ ^{their} special instructions dated October 18, 1912, 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.~~