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BOOK F
Subdivisions
FIELD NOTES

BOOK 2684

OF THE SURVEY OF THE

Subdivision lines of

TOWNSHIP 22 NORTH, RANGE 7 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 February 11, 1913

Survey completed " 20, 1913

Subdivision of T. 22 N., R. 7 W. (18)

Chains.

Survey commenced Feb. 11, 1913, 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. *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. Blodstreet, U.S. Transitman, respectively.* Knowing from recent and repeated tests of these instruments on a meridian established by observations on Polaris, that they are in adjustment, we proceed to the subdivision of T22 N., R. 7 W.

W.B.K. At 8 hrs. 35 m., a.m., l.m.t., I set off $35^{\circ}15'N.$ on the lat. arc; $14^{\circ}12'S.$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32, on the south bdy. of the Tp. recently established by me as described in book "M", page 25.

Thence I run,

N. $0^{\circ}1'E.$, bet. secs. 31 and 32.

Along E. slope, over rolling land, through heavy timber. Desc. NE. slope, 85 ft.

24.00

30.25 Gulch, course E. Asc. SE. slope, 40 ft.

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

35.55 Draw, course SE. Asc. SW. slope, 35 ft.

38.75 Spur ridge, brs. NW. and SSE. 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; $\frac{1}{4}S31$ in W. and $\frac{1}{4}S32$ in E. half; from which

A pinion, 8 ins. diam, brs. S. $16^{\circ}E.$, 13 lks. dist., marked $\frac{1}{4}S32$ BT.

A pinion, 6 ins. diam, brs. S. $35^{\circ}W.$, 19 lks. dist., marked $\frac{1}{4}S31$ BT.

48.00 Desc. NW. slope, 95 ft.

55.90 Gulch, course NE. Asc. SE. slope, 55 ft.

62.00 Spur ridge, brs. E. and W. Desc. NE. slope, 30 ft.

64.65 Gulch, course E. Asc. SE. slope, 25 ft.

70.00 Spur ridge, brs. E. and W. Desc. NE. slope, 25 ft.

74.75 Head of gulch, course E. 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. 29, 30, 31 and 32, marked on brass cap, 1913;

T22N R7W in N. half;

S30, in NW.,

S29 in NE.,

S32 in SE. and

S31 in SW. quadrant; from which

A pinion, 10 ins. diam, brs. N. $48^{\circ}E.$, 70 lks. dist., marked T22N R7W S29 BT.

A pinion, 18 ins. diam, brs. S. $75\frac{1}{2}^{\circ}E.$, 164 lks. dist., marked T22N R7W S32 BT.

A pinion, 7 ins. diam, brs. S. $47\frac{3}{4}^{\circ}W.$, 152 lks. dist., marked T22N R7W S31 BT.

A pinion, 16 ins. diam, brs. N. $23\frac{1}{4}^{\circ}W.$, 128 lks. dist., marked T22N R7W S30 BT.

Land, rolling and hilly.

Soil, very rocky 4th rate.

Timber, pinion and scrub cedar.

Undergrowth, greasewood.

NOTE: At this corner, I set off $14^{\circ}00'S.$ on the decl. arc; and at noon, I observe the sun on the mer.; the resulting lat is $35^{\circ}16'N.$, which is slightly higher than the correct lat.

40.00

West, on a random line, bet. secs. 30 and 31.

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

Subdivision of T. 22 N., R. 7 W.

Chains
 79.84 Intersect W. bdy. of Tp., 7 lks. N. of the ^{old} cor. of secs. 25, 30, 31 and 36, 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
 N. 89° 57' E., on a true line, bet. secs. 30 and 31.
 Desc. NE. slope, 45 ft., through heavy timber.
 6.00 Gulch, course N. Asc. NW. slope, 200 ft.
 21.70 Edge of rim rock, brs. NE. and SW. Thence over rolling land.
 28.25 Desc. E. slope, 190 ft.
 39.92 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; $\frac{1}{4}$ S30 in N. and $\frac{1}{4}$ S31 in S. half; from which
 A cedar, 8 ins. dia., brs. N. 72° W., 54 lks. dist., marked $\frac{1}{4}$ S30 BT.
 A cedar, 16 ins. dia., brs. S. 11° W., 28 lks. dist., marked $\frac{1}{4}$ S31 BT.
 40.15 Gulch, course N. Asc. W. slope, 55 ft.
 43.85 Ridge, brs. N. and S. Desc. NE. slope, 100 ft.
 50.65 Thence along N. slope.
 55.85 Desc. NE. slope.
 60.00 Draw, course N. Asc. W. slope, 45 ft.
 69.85 Thence along N. slope.
 74.00 Spur ridge, brs. N. and S. Desc. E. slope, 25 ft.
 79.84 The cor. of secs. 29, 30, 31 and 32.
 Land, mountainous and hilly.
 Soil, rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak.
 Mountainous land, 35 chs.

Feb. 11, 1913.

Feb. 12, 1913: At 8 hrs. 27 m., a.m., 1.m.t., I set off 35° 16' N. on the lat. arc; 13° 42½' S. 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° 1' E., bet. secs. 29 and 30.
 Along E. slope, over rolling land, through heavy timber.
 4.00 Desc. NW. slope, 45 ft.
 10.65 Gulch, course NE. Asc. SE. slope, 35 ft.
 18.00 Spur ridge, brs. NE. and SW.
 20.00 Desc. NW. slope, 120 ft. Enter scattering timber, and dense undergrowth, brs. NE. and SW.
 30.40 Gulch, course NE. Asc. SE. slope, 75 ft.
 40.00 Spur ridge, brs. NE. and SW.
 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; $\frac{1}{4}$ S30 in W. and $\frac{1}{4}$ S29 in E. half; from which
 A cedar, 10 ins. ⁱⁿdiam, brs. N. 87° E., 85 lks. dist., marked $\frac{1}{4}$ S29 BT.
 A cedar, 5 ins. ⁱⁿdiam, brs. S. 88° W., 36 lks. dist., marked $\frac{1}{4}$ S30 BT.
 Desc. NE. slope, 140 ft.
 56.30 Draw, course NE. Asc. slight SE. slope.
 58.75 Rocky ridge, brs. E. and W Desc. NE. slope, 35 ft.
 60.70 Thence along E. slope.
 64.00 Spur ridge, brs. NE. and SW .
 65.75 Draw, course E. Asc. S. slope, 100 ft.
 72.00 Top of asc.; thence along E. slope.

Subdivision of T. 22 N., R. 7 W.

Chains.	
80.00	<p>Set an iron post, 3 ft. long, 2 ins.ⁱⁿ diam, 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked on brass cap, 1913; T22N R7W in N. half; S19 in NW., S20 in NE., S29 in SE. and S30 in SW. quadrant; from which A pinion, 8 ins.ⁱⁿ diam, brs. N. 10° E., 204 lks. dist., marked T22N R7W S20 BT. A cedar, 10 ins.ⁱⁿ diam, brs. S. 84$\frac{3}{4}$° E., 43 lks. dist., marked T22N R7W S29 BT. A cedar, 10 ins.ⁱⁿ diam, brs. S. 12° W., 96 lks. dist., marked T22N R7W S30 BT. A cedar, 12 ins.ⁱⁿ diam, brs. N. 72$\frac{1}{4}$° W., 157 lks. dist., marked T22N R7W S19 BT. Land, rolling, and mountainous. Soil, very rocky, 4th rate. Timber, scrub cedar and pinion. Undergrowth, greasewood and buck brush.</p> <p><i>NOTE:</i> - At this corner, I set off 13°40$\frac{1}{2}$' S. on the decl. arc; and at noon, I observe the sun on the meridian, the resulting lat. is 35°16$\frac{1}{2}$' S., which is slightly less than the correct lat.</p>
40.00	S. 89° 57' W., on a random line, bet. secs. 19 and 30.
79.70	<p>Set temp. $\frac{1}{4}$ sec. cor. Intersect the W. bdy. of the Tp., 2 lks. S. of the 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</p>
11.70	N. 89° 58' E., on a true line, bet. secs. 19 and 30.
17.70	Over rolling land, through scattering timber and dense undergrowth.
19.70	Draw, course NE. Asc. NW. slope, 30 ft.
29.70	Top of asc. ; thence along N. slope.
39.85	Desc. SE. slope, 75 ft.
42.00	Draw, course NE. Asc. NW. slope, 60 ft.
60.00	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;
72.00	$\frac{1}{4}$ S19 in N. and
79.70	S30 in S. half; from which
	A cedar, 16 ins. ⁱⁿ diam, brs. N. 57° W., 6 lks. dist., marked $\frac{1}{4}$ S19 BT.
	A pinion, 10 ins. ⁱⁿ diam, brs. S. 75 $\frac{3}{4}$ ° E., 51 lks. dist., marked $\frac{1}{4}$ S30 BT .
	Top of asc.; desc. NE. slope, 75 ft.
	Foot of desc.; thence along N. slope.
	Spur ridge, brs. NE. and SW. Desc. NE. slope, 25 ft.
	The cor. of secs. 19, 20, 29 and 30.
	Land, rolling and hilly.
	Soil, very rocky, 4th rate.
	Timber, scrub cedar and pinion.
	Undergrowth, buck brush and greasewood.
	Feb. 12, 1913.
	Feb. 13, 1913. At 8 hrs. 33 m., a.m., l.m.t., I set off
	35°16 $\frac{1}{2}$ ' N. on the lat. arc; 13°22' S. 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° 1' E., bet. secs. 19 and 20.

Chains

Over rolling land, through scattering timber, and dense undergrowth.
 8.00 Spur ridge, brs. E. and W. Desc. rocky N. slope, 150 ft.
 19.20 Gulch, course E. Asc. S. slope, 85 ft.
 26.00 Spur ridge, brs. E. and W. Desc. N. slope, 55 ft.
 31.60 Gulch, course E. Asc. S. slope, 85 ft.
 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; $\frac{1}{4}$ S19 in W. and $\frac{1}{4}$ S20 in E. half; from which
 A cedar, 9 ins. ⁱⁿdiam, brs. N. $26\frac{1}{2}$ E., 155 lks. dist., marked $\frac{1}{4}$ S20 BT.
 A cedar, 8 ins. ⁱⁿdiam, brs. S. $24\frac{1}{2}$ W., 108 lks. dist., marked $\frac{1}{4}$ S19 BT.
 42.00 Spur ridge, brs. E. and W. Desc. N. slope, 120 ft.
 51.50 Gulch, course E. Asc. S. slope, 95 ft.
 60.00 Spur ridge, brs. E. and W. Desc. N. slope, 25 ft.
 66.00 Gulch, course E. Asc. S. slope, 25 ft.
 72.00 Spur ridge, brs. NE. and SW. Desc. NW. slope, 55 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. ⁱⁿdiam, 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap, 1913; T22N R7W in N. half; S18 in NW., S17 in NE., S20 in SE. and S19 in SW. quadrant; from which
 A cedar, 16 ins. ⁱⁿdiam, brs. N. 33° E., 21 lks. dist., marked T22N R7W S17 BT.
 A cedar, 7 ins. ⁱⁿdiam, brs. S. $40\frac{1}{2}$ E., 268 lks. dist., marked T22N R7W S20 BT.
 A cedar, 11 ins. ⁱⁿdiam, brs. S. $34\frac{1}{2}$ W., 241 lks. dist., marked T22N R7W S19 BT.
 A cedar, 20 ins. ⁱⁿdiam, brs. N. 38° W., 71 lks. dist., marked T22N R7W S18 BT.
 Land, hilly and mountainous.
 Soil, very rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and greasewood.
 Mountainous land, 30 chs.

NOTE - At this corner, I set off $13^{\circ}20'S$. on the decl. arc; and at moon... I observe the sun on the meridian, the resulting lat. is $35^{\circ}17\frac{1}{2}'N$., which is $0'51''$ less than the correct lat.

40.00 S. $89^{\circ}58'W$., on a random line, bet. secs. 18 and 19.
 79.58 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect W. bdy. of Tp., 16 lks. S. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, 3 ins. ⁱⁿdiam, 12 ins. above ground, marked and witnessed as described by the Surveyor General.
 Thence I run
 S. $89^{\circ}55'E$., on a true line, bet. secs. 18 and 19.
 Along S. slope, through scattering timber and dense undergrowth.
 11.90 Spur ridge, brs. NW. and SE. Desc. NE. slope, 130 ft.
 18.40 Gulch, course S. $5^{\circ}E$. Thence along S. slope.
 24.90 Gulch, course NE. Desc. NW. slope, 80 ft.
 31.60 Spur ridge, brs. N. and S. Desc. NE. slope, 65 ft.
 39.00 Gulch, course NE. Asc. NW. slope, 170 ft.
 39.79 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; $\frac{1}{4}$ S18 in N. and $\frac{1}{4}$ S19 in S. half; from which,

Subdivision of T 22 N R 7 W

Chains.

A cedar, 30 ins.ⁿdiam, brs. N. 45° E., 199 lks. dist., marked $\frac{1}{4}$ S18 BT.
 A cedar, limb, 9 ins.ⁿdiam, brs. S. 70° W., 220 lks. dist., marked $\frac{1}{4}$ S19 BT.
 60.00 Spur ridge, brs. NE. and SW. Desc. SE. slope, 135 ft.
 75.10 Gulch, course NE. Asc. NW. slope, 60 ft.
 79.58 The cor. of secs. 17, 18, 19 and 20.
 Land, rolling and hilly.
 Soil, very rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and greasewood.

N. 0° 1'E., bet. secs. 17 and 18.
 Desc. NW. slope, 100 ft., through scattering timber and dense undergrowth.
 5.55 Gulch, course NE. Asc. SE. slope, 90 ft.
 12.00 Spur ridge, brs. NE. and SW. Desc. NW. slope, 135 ft.
 27.60 Foot of desc.; brs. E. and W.; thence over rolling land.
 38.40 Wash, 5 lks. wide, 2 ft. deep, course E. Asc. S. slope, 120 ft.
 38.70 Road, brs. E. and W.
 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; from which
 A cedar, 30 ins.ⁿdiam., brs. N. 26 $\frac{1}{4}$ ° E., 207 lks. dist., marked $\frac{1}{4}$ S17 BT.
 A cedar, 18 ins.ⁿdiam, brs. N. 3 $\frac{1}{2}$ ° W., 280., lks. dist., marked $\frac{1}{4}$ S18 BT.

Feb. 13, 1913.

Feb. 14, 1913: At 8 hrs. 45 m., a.m., l.m.t., I set off 35° 18' N. on the lat. arc; 13 $\frac{1}{2}$ ' S. on the decl. arc; and determine a meridian with the solar at the $\frac{1}{4}$ cor. betw. secs. 17 and 18, above described,

Thence I continue
 N. 0° 1'E., bet. secs. 17 and 18, on N $\frac{1}{2}$ mile.
 50.00 Top of asc.; thence along E. slope.
 66.50 Head of draw, course E. Asc. S. slope, 25 ft.
 70.00 Spur ridge, brs. NW. and SE. Desc. NE. slope, 85 ft.
 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 R7W in N. half:
 S7 in NW.,
 S8 in NE.,
 S17 in SE. and
 S18 in SW. quadrant; from which
 A cedar, 9 ins.ⁿdiam, brs. N. 22 $\frac{1}{4}$ ° E., 112 lks. dist., marked T22N R7W S8 BT.
 A cedar, 24 ins.ⁿdiam, brs. S. 48° E., 324 lks. dist., marked T22N R7W S17 BT.
 A cedar, 8 ins.ⁿdiam, brs. S. 81° W., 57 lks. dist., marked T22N R7W S18 BT.
 A cedar, 10 ins.ⁿdiam, brs. N. 52° W., 113 lks. dist., marked T22N R7W S7 BT.
 Land, hilly and mountainous.
 Soil, rocky 4th rate.
 Timber, scrub cedar and scattering pinion.
 Undergrowth, buck brush and greasewood.
 Mountainous land, 15 chs.

Subdivision of T. 22 N., R. 7 W.

Chains.

40.00 N. 89° 55' W., on a random line, bet. secs. 7 and 18.
 Set temp. 1/4 sec. cor.

79.58 Intersect W. bdy. of the Tp., 5 lks. S. of the ^{op} 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

23.60 S. 89° 53' E., on a true line, bet. secs. 7 and 18.
 33.60 Over rolling land, through scattering timber, and dense
 39.79 undergrowth.
 Asc. W. slope, 110 ft.
 Top of knoll.; desc. E. slope, 125 ft.

Set an iron post, 3 ft. long, 1 in. in diam, 26 ins. in
 the ground, for 1/4 sec. cor., marked on brass cap, 1913;
 1/4 S 7 in N. and
 1/4 S 18 in S. half; from which

A cedar, 16 ins. in diam, brs. N. 27 1/2° W., 62 lks. dist.,
 marked 1/4 S 7 BT. N. and

A cedar, 40 ins. in diam, brs. S. 82° E., 89 lks. dist.,
 marked 1/4 S 18 BT.

49.60 Gulch, course S. Asc. W. slope, 165 ft.
 51.60 Asc. SW. slope.
 59.60 Ridge, brs. NW. and SE.
 63.60 Desc. NE. slope, 195 ft.
 79.58 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling, hilly and mountainous.
 Soil, 1st 20 chs., sandy loam, 3rd rate; last 60 chs.,
 rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and greasewood.
 Mountainous land, 37 chs.

NOTE: At this ~~corner~~, I set off 12° 59 1/2' S. on the decl. arc; and
 as the brs. N. 27 1/2° W., and at noon, I observe the sun
 on the meridian, the resulting lat. is 35° 18 1/2' N., which
 is the correct lat.

1.05 N. 0° 1' E., bet. secs. 7 and 8.
 12.00 Over rolling land, through scattering timber and dense
 18.85 undergrowth.
 22.00 Gulch, course E. Asc. SE. slope, 110 ft.
 27.65 Spur ridge, brs. E. and W. Desc. NE. slope, 75 ft.
 31.70 Gulch, course SE. Asc. SW. slope, 30 ft.
 39.00 Spur ridge, brs. E. and W. Desc. NE. slope, 35 ft.
 40.00 Gulch, course E. Asc. SE. slope, 50 ft.
 Spur ridge, brs. E. and W. Desc. N. slope, 55 ft.
 Draw, course E. Asc. S. slope, 55 ft.

Set an iron post, 3 ft. long, 1 in. in diam, 26 ins. in the
 ground, for 1/4 sec. cor., marked on brass cap, 1913;
 1/4 S 7 in W. and
 1/4 S 8 in E. half; from which

A cedar, limb, 14 ins. in diam, brs. N. 27 3/4° E., 123 lks.
 dist., marked 1/4 S 8 BT.

A cedar, 24 ins. in diam, brs. N. 88 1/2° W., 107 lks. dist.,
 marked 1/4 S 7 BT.

44.00 Spur ridge, brs. E. and W. Desc. NE. slope, 60 ft.
 56.00 Foot of desc.; brs. NW. and SE. Thence over rolling land.
 62.00 Draw, course SE.
 66.00 Asc. SW. slope, 50 ft.
 74.00 Spur ridge, brs. E. and W. Desc. slight NE. slope.
 78.00 Foot of desc., brs. NW. and SE. Thence over rolling land.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam, 24 ins. in the
 ground, for cor. of secs. 5, 6, 7 and 8, marked on
 brass cap, 1913;

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Chains.

T22N R7W in N half.
 S6 in NW.,
 S5 in NE.,
 S8 in SE. and
 S7 in SW. quadrant; from which
 A cedar limb, 12 ins. indiam, brs. N. 87 $\frac{1}{4}$ ° E., 257 lks. dist.,
 marked T22N R7W S5 BT.
 A cedar, 28 ins. indiam, brs. S. 78° E., 121 lks. dist.,
 marked T22N R7W S8 BT.
 A cedar, 12 ins. indiam, brs. S. 20° W., 194 lks. dist.,
 marked T22N R7W S7 BT.
 A cedar limb, 9 ins. indiam, brs. N. 78 $\frac{1}{2}$ ° W., 266 lks. dist.,
 marked T22N R7W S6 BT.
 Land, rolling, hilly and mountainous.
 Soil, rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and greasewood.
 Mountainous land, 16 chs.

40.00
79.88

N. 89° 53' W., on a random line, bet. secs. 6 and 7.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect W. bdy. of Tp., 16 lks. N. of the ^{old} cor. of secs.
 1, 6, 7 and 12, which is an iron post, 3 ins. indiam, 12
 ins. above ground, marked ^{ON BRASS CAP} and witnessed as described
 by the Surveyor General.

2.30
11.90
15.90
19.90
21.90
33.90
39.94

Thence I run
 East, on a true line, bet. secs. 6 and 7.
 Along N. slope, through scattering timber and dense under-
 growth.
 Desc. SW. slope, 115 ft.
 Spur ridge, brs. NW. and SE. Thence along N. slope.
 Desc. NE. slope, 35 ft.
 Head of draw, course N. Thence over rolling land.
 Spur ridge, brs. N. and S. Desc. NE. slope, 134 ft.
 Draw, course SE. Thence over rolling land.
 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;
 $\frac{1}{4}$ S6 in N. and
 $\frac{1}{4}$ S7 in S. half; from which
 A pinion, 8 ins. indiam, brs. N. 42° E., 85 lks. dist.,
 marked $\frac{1}{4}$ S6 BT.
 A cedar, 14 ins. indiam, brs. S. 30 $\frac{1}{4}$ ° E., 21 lks. dist.,
 marked $\frac{1}{4}$ S7 BT.

65.90
72.00
79.88

Desc. SE. slope, 45 ft.
 Foot of desc.; thence over rolling land.
 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling hilly and mountainous.
 Soil, rocky 4th rate.
 Timber, scrub cedar and scattering pinion.
 Undergrowth, buck brush and greasewood.
 Mountainous land, 10 chs.

Feb. 14, 1913.

40.00
80.14

Feb. 19, 1913: A
 N. 0° 1' E., on a random line, bet. secs. 5 and 6.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect the N. bdy. of the Tp., 12 lks. W. of the ^{old} cor.
 of secs. 5, 6, 31 and 32, 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° 6' W., on a true line, bet. secs. 5 and 6.

Subdivision of T. 22 N., R. 7 W.

Chains.

23.15 Over rolling land, through scattering timber and under-
 40.14 growth.
 Leave scattering timber, brs. E. and W.
 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.
 68.00 Enter scattering timber, brs. NW. and SE.
 80.14 The cor. of secs. 5, 6, 7 and 8.
 Land, level and rolling.
 Soil, sandy loam, 2nd rate, first 64 chs.; rocky 4th rate,
 last 16 chs.
 Timber, scrub cedar
 Undergrowth, buck brush and rabbit brush.
 Feb. 19, 1913.

Feb. 15, 1913: At 8 hrs. 32 m., a.m., l.m.t., I set off
 35 $\frac{1}{2}$ °15' N. on the lat. arc; 12 $\frac{1}{2}$ °41' S. on the decl. arc;
 and determine a meridian with the solar at the cor. of secs.
 4, 5, 32 and 33, ^{5.00' OF THE TP} ~~marked~~ ^{as} described in
 book "M", page 26.
 Thence I run
 N. 0°1' E., bet. secs. 32 and 33.
 9.10 Desc. NE. slope, 130 ft., through scattering timber.
 15.20 Gulch, course E. Asc. SE. slope, 90 ft.
 18.80 Spur ridge, brs. E. and W. Desc. NE. slope, 75 ft.
 22.90 Gulch, course E. Asc. SE. slope, 75 ft.
 25.10 Spur ridge, brs. E. and W. Desc. NE. slope, 45 ft.
 29.35 Gulch, course SE. Asc. SW. slope, 150 ft.
 33.35 Thence along W. slope.
 40.00 Asc. S. slope.
 Thence along E. slope.
 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;
 $\frac{1}{4}$ S32 in W. and
 S33 in E. half; from which
 A cedar, 6 ins. diam, brs. N. 47 $\frac{1}{2}$ ° E., 108 lks. dist.,
 marked $\frac{1}{4}$ S33 BT.
 A cedar, 20 ins. diam, brs. N. 67° W., 77 lks. dist.,
 marked $\frac{1}{4}$ S32 BT.
 42.00 Desc. NE. slope, 85 ft.
 50.65 Draw, course E. Thence over rolling land.
 54.00 Spur ridge, brs. NE. and SW. Desc. NW. slope, 130 ft.
 62.00 Gulch, course NE. Asc. SE. slope, 75 ft.
 67.55 Spur ridge, brs. NE. and SW. Desc. NW. slope, 55 ft.
 71.55 Desc. N. slope.
 73.55 Leave green, enter dead timber.
 76.35 Gulch, course E. Asc. S. slope, 35 ft.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the
 ground, for cor. of secs. 28, 29, 32 and 33, marked on
 brass cap, 1913;
 T22N R7W in N. half;
 S29 in NW.,
 S28 in NE.,
 S33 in SE. and
 S32 in SW. quadrant; from which
 A cedar, 24 ins. diam, brs. N. 81 $\frac{1}{2}$ ° E., 106 lks. dist.,
 marked T22N R7W S28 BT.
 A cedar, 14 ins. diam, brs. N. 14 $\frac{1}{2}$ ° W., 244 lks. dist.,
 marked T22N R7W S29 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.

Chains.

Land, hilly and mountainous.
Soil, very rocky 4th rate.
Timber, scrub cedar and scattering pinion.
Undergrowth, buck brush and greasewood.
Mountainous land, 50 chs.

40.00
80.10

4.10
8.80
10.00
20.95
30.10
40.05

42.45
49.00
55.70
58.00
62.00
70.00
80.10

West, on a random line, bet. secs. 29 and 32.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 7 lks. N. of the cor. of secs. 29, 30, 31 and 32, which is an iron post, marked $\frac{1}{4}$ S29.
Thence I run
N. $89^{\circ}57'E.$, on a true line, bet. secs. 29 and 32.
Desc. E. slope, 60 ft., through scattering timber and dense undergrowth.
4.10 Desc. NE. slope.
8.80 Draw, course SE. Asc. SW. slope, 20 ft.
10.00 Top of asc.; desc. SE. slope, 75 ft.
20.95 Gulch, course NE. Asc. NW. slope, 110 ft.
30.10 Spur ridge, brs. NE. and SW. Desc. SE. slope, 100 ft.
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; $\frac{1}{4}$ S29 in N. and S32 in S. half; from which
A cedar, 14 ins. diam, brs. N. $70\frac{1}{2}^{\circ}E.$, 125 lks. dist., marked $\frac{1}{4}$ S29 BT.
A cedar, 30 ins. diam, brs. S. $71\frac{1}{2}^{\circ}E.$, 36 lks. dist., marked $\frac{1}{4}$ S32 BT.
42.45 Gulch, course NE. Asc. NW. slope, 70 ft.
49.00 Spur ridge, brs. NE. and SW. Desc. E. slope, 55 ft.
55.70 Gulch, course N. Asc. W. slope, 30 ft.
58.00 Spur ridge, brs. N. and S. Desc. NE. slope, 125 ft.
62.00 Leave green, enter dead timber.
70.00 Draw, course SE. Thence over rolling land.
80.10 The cor. of secs. 28, 29, 32 and 33.
Land, rolling hilly and mountainous.
Soil, rocky 4th rate.
Timber, scrub cedar and pinion.
Undergrowth, buck brush and greasewood.
Mountainous land, 27 chs.

NOTE: At this corner, I set off $12^{\circ}39'S.$ on the decl. arc; and at noon, I observe the sun on the meridian, the resulting lat. is $35^{\circ}16'N.$, which is slightly higher than the correct lat.

8.00
14.95
28.00
40.00

44.30
54.60
60.00
68.60
76.00

N. $0^{\circ}1'E.$, bet. secs. 28 and 29.
Over rolling land, through scattering dead timber and dense undergrowth.
8.00 Spur ridge, brs. NE. and SW. Desc. NW. slope, 60 ft.
14.95 Draw, course NE. Asc. SE. slope, 30 ft.
28.00 Spur ridge, brs. NE. and SW. 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; $\frac{1}{4}$ S29 in W. and S28 in E. half; from which
A cedar, 16 ins. diam, brs. N. $49^{\circ}E.$, 15 lks. dist., marked $\frac{1}{4}$ S28 BT.
A cedar, 7 ins. diam, brs. N. $69^{\circ}W.$, 15 lks. dist., marked $\frac{1}{4}$ S29 BT.
Desc. NW. slope, 40 ft.
44.30 Draw, course NE. Thence over rolling land.
54.60 Draw, course E. Asc. S. slope, 45 ft.
60.00 Spur ridge, brs. E. and W. Desc. NE. slope 45 ft.
68.60 Gulch, course SE. Asc. SW. slope, 70 ft.
76.00 Spur ridge, brs. E. and W.

Chains.

89.00

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 R7W 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. 39° E., 349 lks. dist., marked T22N R7W S21 BT.
 A cedar limb, 5 ins. diam, brs. S. 25½° E., 183 lks. dist., marked T22N R7W S28 BT.
 A pinion, 9 ins. diam, brs. S. 57½° W., 320 lks. dist., marked T22N R7W S29 BT.
 A pinion, 9 ins. diam, brs. N. 54° W., 138 lks. dist., marked T22N R7W S20 BT.
 Land, rolling and hilly.
 Soil, rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and greasewood.

Feb. 15, 1913.

Feb. 18, 1913.

40.00

√ S. 89° 57' W., on a random line, bet. secs. 20 and 29.
 Set temp. ¼ sec. cor.

80.14

Intersect N. and S. line, 2 lks. S. of the cor. of secs. 19, 20, 29 and 30, which is marked on post, bearing date 1913.

Thence I run

√ N. 89° 58' E., on a true line, bet. secs. 20 and 29.
 Over rolling land, through scattering timber, and dense undergrowth.

4.00

Thence along S. slope.

18.00

Desc. SE. slope, 165 ft.

37.07

Draw, course NE. Thence across bottom land.

40.07

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 S20 in N. and

¼ S29 in S. half; from which

A cedar, 7 ins. diam, brs. N. 56½° E., 55 lks. dist., marked ¼ S20 BT.

A cedar, 12 ins. diam, brs. S. 42½° E., 57 lks. dist., marked ¼ S29 BT.

40.80

Asc. NW. slope, 100 ft.

52.15

Spur ridge, brs. NE. and SW. Desc. SE. slope, 55 ft.

64.00

Draw, course NE. Thence over rolling land.

79.65

Draw, course NE.

80.14

The cor. of secs. 20, 21, 28 and 29.

Land, rolling and hilly.

Soil, rocky 4th rate.

Timber, scrub cedar and pinion.

Undergrowth, buck brush and greasewood.

NOTE:— At 9 hrs. 30 m., a.m., l.m.t., I set off 35° 16½' N. on the lat. arc; 11° 38' S. on the decl. arc; and determine a mer. with the solar at the cor. of secs. 20, 21, 28 and 29,

Thence I run,

N. 0° 1' E., bet. secs. 20 and 21.

Over rolling land, through scattering timber and undergrowth.

.20

Draw, course NE. Asc. slight SE. slope.

Chains
 2.00 Spur ridge, brs. NE. and SW. Desc. NW. slope, 40 ft.
 12.00 Draw, course NE. Asc. SE. slope, 35 ft.
 16.75 Spur ridge, brs. NE. and SW. Desc. NW. slope, 95 ft.
 36.45 Draw, course NE. Asc. SE. slope, 50 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;
 $\frac{1}{4}$ S20 in W. and
 $\frac{1}{4}$ S21 in E. half; from which
 A pinion, 6 ins. diam, brs. N. 36° E., 52 lks. dist.,
 marked $\frac{1}{4}$ S21 BT.
 A pinion, 10 ins. diam, brs. S. 45° W., 7 lks. dist.,
 marked $\frac{1}{4}$ S20 BT.
 45.00 Spur ridge, brs. E. and W. Desc. NE. slope, 50 ft.
 53.50 Draw, course E. Asc. SE. slope, 60 ft.
 58.40 Spur ridge, brs. NE. and SW. Desc. NW. slope, 95 ft.
 68.00 Foot of desc, 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. 16, 17, 20 and 21, marked
 on brass cap, 1913;
 T22N R7W in N. half;
 S17 in NW.,
 S16 in NE.,
 S21 in SE. and
 S20 in SW. quadrant;
 And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of cor. Pits impracticable.
 Land, rolling.
 Soil, rocky 3rd rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and greasewood.

NOTE - At this point, I set off $11^{\circ}36\frac{1}{2}'$ S. on the decl. arc; and
 at noon, I observe the sun
 on the meridian; the resulting lat. is $35^{\circ}17\frac{1}{2}'$ N., which
 is slightly less than the correct lat.

40.00 S. $89^{\circ}58'$ W., on a random line, bet. secs. 17 and 20.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
 17, 18, 19 and 20, marked on brass cap, 1913;
 Thence I run
 N. $89^{\circ}59'$ E., on a true line, bet. secs. 17 and 20.
 Asc. slight NW. slope, through scattering timber and under-
 growth.
 1.00 Spur ridge, brs. NE. and SW. Desc. E. slope, 115 ft.
 10.00 Desc. SE. slope.
 12.60 Draw, course NE. Asc. NW. slope, 55 ft.
 28.00 Spur ridge, brs. NE. and SW. Desc. SE. slope, 65 ft.
 36.00 Draw, course NE. Asc. NW. slope, 30 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;
 $\frac{1}{4}$ S17 in N. and
 $\frac{1}{4}$ S20 in S. half; from which
 A cedar, 9 ins. diam, brs. N. $34\frac{1}{2}^{\circ}$ E., 37 lks. dist.,
 marked $\frac{1}{4}$ S17 BT.
 A pinion, 14 ins. diam, brs. S. $47\frac{1}{2}^{\circ}$ W., 68 lks. dist.,
 marked $\frac{1}{4}$ S20 BT.
 42.00 Spur ridge, brs. NE. and SW. Desc. SE. slope, 25 ft.
 62.00 Draw, course NE. Asc. NW. slope, 30 ft.
 68.00 Spur ridge, brs. NE. and SW. Desc. E. slope, 65 ft.
 69.00 Leave timber, brs. N. and S.
 78.00 Foot of desc.; thence over rolling land.
 80.04 The cor. of secs. 16, 17, 20 and 21.
 Land, rolling and hilly.
 Soil, rocky 4th rate.
 Timber, scrub cedar and pinion

Subdivision of T. 22 N., R. 7 W.

Chains.

Undergrowth, buck brush and greasewood.

N. 0° 1'E., bet. secs. 16 and 17.
 Over rolling land, through scattering undergrowth.
 Road, brs. NW. and SE.
 1.65 SW. end of dirt dam, brs. W. 5 chs. dist. Asc. SW. slope,
 12.00 70 ft.
 14.00 Enter scattering timber, brs. NW. and SE. NE. end of dam
 brs. W. 80 lks. dist.
 20.00 Rocky spur ridge, brs. NW. and SE. Desc. N. slope, 50 ft.
 24.00 Desc. NW. slope.
 27.00 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;
 $\frac{1}{4}$ S17 in W. and
 S16 in E. half; from which
 A cedar, 20 ins. diam, brs. N. 40 $\frac{1}{2}$ E., 80 lks. dist.,
 marked $\frac{1}{4}$ S16 BT.
 A cedar, 24 ins. diam, brs. N. 20 $\frac{1}{2}$ W., 162 lks. dist.,
 marked $\frac{1}{4}$ S17 BT.
 Asc. SW. slope, 70 ft.
 44.50 Thence along W. slope.
 48.00 Continue to asc. SW. slope.
 54.00 Spur ridge, brs. E. and W. Desc. NW. slope, 50 ft.
 58.00 Leave timber, brs. NE. and SW.
 62.00 Foot of desc.; brs. NE. and SW.; thence over rolling
 land.
 66.25 Road, bears N. 75° W. 2 chs. dist., 700 ft. long.
 66.25 Wash, 3 lks. wide, 2 ft. deep, course SW.
 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 R7W in N. half;
 S8 in NW.,
 S9 in NE.,
 S16 in SE. and
 S17 in SW. quadrant; from which
 A cedar limb, 8 ins. diam, brs. S. 88 $\frac{1}{2}$ E., 163 lks. dist.,
 marked T22N R7W 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 and hilly.
 Soil, rocky 3rd and 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush.

Feb. 18, 1913.

Feb. 19, 1913. At 8 hrs. 27 m. a.m., l.m.t., I set off
 35° 18 $\frac{1}{2}$ ' N. on the lat. arc; 11° 17 $\frac{1}{2}$ ' S. on the decl. arc;
 and determine a meridian with the solar at the cor. of secs.
 8, 9, 16 and 17,
 Thence I run,
 S. 89° 59' W., on a random line, bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
 7, 8, 17 and 18, which is the same as the cor. of secs.
 7, 8, 17 and 18, which is the same as the cor. of secs.
 Thence I run
 N. 89° 56' E., on a true line, bet. secs. 8 and 17.
 Over rolling land, through scattering timber, and under-
 growth.
 Desc. slight NE. slope.

Subdivision of T. 22 N., R. 7 W.

Chains

2.00 Draw, course N. Asc. NW. slope, 35 ft.
8.00 Spur ridge, brs. NE. and SW. Desc. SE. slope, 40 ft.
15.00 Draw, course NE. Asc. NW. slope, 50 ft.
24.00 Spur ridge, brs. N. and S. Desc. NE. slope, 95 ft.
36.00 Enter draw, course SE.
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; $\frac{1}{4}$ S8 in N. and $\frac{1}{4}$ S17 in S. half; from which
A cedar limb, 8 ins. diam, brs. N. 75° E., 209 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.
42.00 Leave draw; thence over rolling land.
54.00 Spur ridge, brs. N. and S. Desc. SE. slope, 30 ft.
58.00 Draw, course S. Asc. W. slope, 65 ft.
70.00 Spur ridge, brs. N. and S. Thence over rolling land.
76.00 Leave scattering timber, brs. N. and S.
79.96 The cor. of secs. 8, 9, 16 and 17.
Land, rolling.
Soil, rocky 4th rate.
Timber, scrub cedar and scattering pinion.
Undergrowth, buck brush and greasewood.

N. 0° 1'E., bet. secs. 8 and 9.
Over rolling land, through scattering undergrowth.
2.00 Asc. SW. slope, 25 ft.
4.00 Enter scattering timber, brs. NW. and SE.
8.00 Top of asc.; thence over rolling land.
17.25 Trail, brs. NW. and SE.
32.45 Draw, course SW. Asc. SE. slope, 30 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; $\frac{1}{4}$ S8 in W. and $\frac{1}{4}$ S9 in E. half; from which
A cedar, 14 ins. diam, brs. N. 25 $\frac{1}{2}$ E., 65 lks. dist., marked $\frac{1}{4}$ S9 BT.
A cedar, 10 ins. diam, brs. N. 73 $\frac{1}{2}$ W., 79 lks. dist., marked $\frac{1}{4}$ S8 BT.
Spur ridge, brs. E. and W. Desc. NW. slope, 35 ft.
49.60 Draw, course SW. Asc. SE. slope, 55 ft.
62.00 Thence along W. slope.
74.60 Draw, course 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. 4, 5, 8 and 9, marked on brass cap, 1913;
T22N R7W in N. half;
S5 in NW.,
S4 in NE.,
S9 in SE. and
S8 in SW. quadrant; from which
A cedar, 24 ins. diam, brs. N. 8 $\frac{1}{2}$ W., 224 lks. dist., marked T22N R7W 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, level and rolling.
Soil, rocky 4th rate.
Timber, scrub cedar.
Undergrowth, buck brush and greasewood.

NOTE - At this point, I set off 11° 15' S. on the decl. arc; and at noon, I observe the sun on the meridian; the resulting lat. is 35° 19 $\frac{1}{2}$ ' N., which is slightly higher than the correct lat.

Subdivision of T. 22 N., R. 7 W.

Chains	
40.00	S. 89° 56' W., on a random line, bet. secs. 5 and 8.
79.90	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line, 26 lks. S. of the cor. of secs. 5, 6, 7 and 8, which is an iron post, 3 ins. diam.
	Thence I run
	S. 89° 53' E., on a true line, bet. secs. 5 and 8.
	Over rolling land, through scattering timber and undergrowth.
39.95	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
	S8 in S. half; from which
	A cedar, 14 ins. diam, brs. N. 55° E., 196 lks. dist., marked $\frac{1}{4}$ S5 BT.
	A cedar, 9 ins. diam, brs. S. 63° E., 43 lks. dist., marked $\frac{1}{4}$ S8 BT.
79.90	The cor. of secs. 4, 5, 8 and 9.
	Land, level and rolling.
	Soil, rocky 4th rate.
	Timber, scrub cedar and pinion.
	Undergrowth, buck brush and greasewood.
	Feb. 19, 1913.
40.00	Feb. 20, 1913.
80.14	N. 0° 1' E., on a random line, bet. secs. 4 and 5.
	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. bdy. of Tp., 33 lks. W. of the cor. of secs. 4, 5, 32 and 33, which is an iron post, 3 ins. diam, 12 ins. above ground, marked $\frac{1}{4}$ S5 and witnessed as described by the Surveyor General.
	Thence I run
	S. 0° 15' W., on a true line, bet. secs. 4 and 5.
	Over rolling land, through scattering timber and undergrowth.
40.14	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
	S4 in E. half; from which
	A cedar, 8 ins. diam, brs. N. 44 $\frac{1}{2}$ ° E., 140 lks. dist., marked $\frac{1}{4}$ S4 BT.
	A cedar, 10 ins. diam, brs. N. 18 $\frac{1}{2}$ ° W., 150 lks. dist., marked $\frac{1}{4}$ S5 BT.
80.14	The cor. of secs. 4, 5, 8 and 9.
	Land, level and rolling.
	Soil, rocky 4th rate.
	Timber, scrub cedar and pinion.
	Undergrowth, greasewood and rabbit brush.
	Feb. 20, 1913.
10.00	Feb. 17, 1913. At 8 hrs. 4 m., a.m., l.m.t., I set off
16.00	35° 15' N. on the lat. arc; 11° 59 $\frac{1}{2}$ ' S. on the decl. arc;
26.00	and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34, on the south bdy. of the Tp, recently established by me as described in book "M", page 26.
	Thence I run
	N. 0° 2' E., bet. secs. 33 and 34.
	Over rolling land, through scattering timber and undergrowth.
	Draw, course E. Asc. S. slope, 30 ft.
	Spur ridge, brs. NE. and SW. Desc. NW. slope, 70 ft.
	Foot of desc.; thence over rolling land.

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; $\frac{1}{4}$ S33 in W. and $\frac{1}{4}$ S34 in E. half; from which

A cedar limb, 12 ins. diam, brs. S. 87° E., 56 lks. dist., marked $\frac{1}{4}$ S34 BT.

A pinion, 8 ins. diam, brs. N. 82° W., 112 lks. dist., marked $\frac{1}{4}$ S33 BT.

50.00 Asc. SE. slope, 30 ft.

64.00 Thence along E. slope,

72.00 Desc. NE. slope, 25 ft.

75.25 Draw, course SE. Asc. S. slope, 30 ft.

80.00 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; T22N R7W in N. half; S28 in NW., S27 in NE., S34 in SE. and S33 in SW. quadrant; from which

A cedar, 8 ins. diam, brs. N. 46° E., 64 lks. dist., marked T22N R7W S27 BT.

A pinion, 6 ins. diam, brs. S. 73° E., 55 lks. dist., marked T22N R7W S34 BT.

A cedar, 24 ins. diam, brs. S. 73° W., 335 lks. dist., marked T22N R7W S33 BT.

A cedar, 12 ins. diam, brs. N. 47° W., 81 lks. dist., marked T22N R7W S28 BT.

Land, rolling and hilly.

Soil, 1st 40 chs., sandy loam, 3rd rate; last 40 chs., rocky 4th rate.

Timber, scrub cedar and pinion.

Undergrowth, greasewood and rabbit brush.

NOTE: At this corner, I set off $11^{\circ}57^{\frac{1}{2}}'$ S. on the decl. arc; and at 12 hrs. and at noon, I observe the sun on the meridian, the resulting lat. is $35^{\circ}16'$ N., which is slightly higher than the correct lat.

40.00 West on a random line, bet. secs. 28 and 33.

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

Intersect N. and S. line, 9 lks. S. of the cor. of secs. 28, 29, 32 and 33, which is in line with the cor. described.

Thence I run

S. $89^{\circ}56'$ E., on a true line, bet. secs. 28 and 33.

Desc. SE. slope, 90 ft., through scattering dead timber and undergrowth.

8.10 Leave dead, and enter green timber.

21.00 Desc. in draw, course N. 89° E.

24.60 Leave draw, asc. NW. slope 35 ft.

29.10 Spurridge, brs. N. and S. Desc. E. slope, 60 ft.

35.00 Gulch, course S. Asc. rocky W. slope, 60 ft.

37.20 Rocky spur ridge, brs. N. and S. Desc. SE. slope, 100 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; $\frac{1}{4}$ S28 in N. and $\frac{1}{4}$ S33 in S. half; from which

A cedar, 20 ins. diam, brs. S. 33° E., 202 lks. dist., marked $\frac{1}{4}$ S33 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.

72.00 Foot of desc.; thence along S. slope.

79.92 The cor. of secs. 27, 28, 33 and 34.

Chains.

Land, rolling. and hilly.
 Soil, rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, greasewood and rabbit brush.
 Feb. 19, 1913.

4.00 N. 0° 2' E., bet. secs. 27 and 28.
 8.00 Over rolling land, through scattering timber and under-
 13.00 growth.
 21.00 Asc. S. slope, 45 ft.
 26.00 Spur ridge, brs. E. and W. Desc. N. slope, 30 ft.
 40.00 Draw, course E. Asc. S. slope, 25 ft.
 Spur ridge, brs. NE. and SW. Desc. NW. slope, 50 ft.
 Draw, course E. Asc. S. slope, 25 ft.
 Spur ridge, brs. E. and W. Thence over rolling land.
 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
 $\frac{1}{4}$ S27 in E. half; from which
 A cedar, 20 ins. diam., brs. S. 28 $\frac{1}{2}$ E., 437 lks. dist.,
 marked $\frac{1}{4}$ S27 BT.
 A cedar, 16 ins. diam., brs. S. 37 $\frac{1}{2}$ W., 468 lks. dist.,
 marked $\frac{1}{4}$ S28 BT.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 21, 22, 27 and 28,
 marked on brass cap, 1913;
 T22N R7W in N. half;
 S21 in NW.,
 S22 in NE.,
 S27 in SE. and
 S28 in SW. quadrant; from which
 A pinion, 6 ins. diam., brs. N. 20° E., 68 lks. dist.,
 marked T22N R7W S22 BT.
 A pinion, 9 ins. diam., brs. S. 79 $\frac{1}{2}$ E., 43 lks. dist.,
 marked T22N R7W S27 BT.
 A cedar, 6 ins. diam., brs. S. 32 $\frac{1}{4}$ W., 40 lks. dist.,
 marked T22N R7W S28 BT.
 A pinion, 6 ins. diam., brs. N. 42° W., 33 lks. dist.,
 marked T22N R7W S21 BT.
 Land, rolling.
 Soil, rocky 4th rate.
 Timber scrub cedar and pinion.
 Undergrowth, greasewood and rabbit brush.

~~Feb. 19, 1913. At 8 hrs. 5 m., a.m., l.m.t., I set off
 35 16 $\frac{1}{2}$ ' N. on the lat. arc; 11 17' S. on the decl. arc;
 and determine a mer. with the solar at the cor. of secs.
 21, 22, 27 and 28.
 Thence I run
 N. 0 2' E., bet. secs. 21 and 22.
 Over rolling land, through scattering timber and under-
 growth.
 6.00 Desc. N. slope, 40 ft.
 12.00 Centre of draw, 3 chs. wide, course E. Asc. N. slope, 45
 ft.
 24.00 Low ridge, brs. E. and W. Desc. N. slope, 40 ft.
 29.00 Draw, 1 ch. wide, course E. Thence over rolling land.
 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 $\frac{1}{4}$ S21 in W. and
 $\frac{1}{4}$ S22 in E. half; from which.~~

Subdivision of T. 22 N., R. 7 W.

Chains N. 89° 56' W., on a random line, bet. secs. 21 and 28.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 20, 21, 28 and 29,
 Thence I run
 S. $\sqrt{89}^{\circ} 57' E.$, on a true line, bet. secs. 21 and 28.
 Over rolling land, through scattering timber and undergrowth.
 20.00 Spur ridge, brs. NE. and SW. Leave scattering, enter heavy timber. Desc. SE slope, 40 ft.
 39.95 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, 6 ins. diam, brs. N. $19^{\circ} \frac{1}{2}$ W., 16 lks. dist., marked $\frac{1}{4}$ S21 BT.
 A pinion, 7 ins. diam, brs. S. $39^{\circ} \frac{1}{2}$ W., 32 lks. dist., marked $\frac{1}{4}$ S28 BT.
 64.00 Draw, course NE. Asc. NW. slope, 35 ft.
 70.00 Spur ridge, brs. NE. and SW. Desc. SE. slope, 30 ft.
 74.00 Draw, course NE. Leave heavy timber, enter scattering timber, brs. N. and S. Asc. NW. slope, 25 ft.
 79.90 The cor. of secs. 21, 22, 27 and 28.
 Land, rolling and hilly.
 Soil, rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and greasewood.
 Feb. 17, 1913.
 W.B.K.

H.N.B.

Feb. 19, 1913; At 8 hrs. 5 m., a.m., l.m.t., I set off $35^{\circ} 16^{\frac{1}{2}}' N.$ on the lat. arc; $11^{\circ} 17' S.$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28,
 Thence I run
 $\sqrt{N. 0^{\circ} 2' E.}$, bet. secs. 21 and 22.
 Over rolling land, through scattering timber and undergrowth.
 6.00 Desc. N. slope, 40 ft.
 12.00 Centre of draw, 3 chs. wide, course E. Asc. S. slope, 45 ft.
 24.00 Low ridge, brs. E. and W. Desc. N. slope, 40 ft.
 29.00 Draw, 1 ch. wide, course E. 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; $\frac{1}{4}$ S21 in W. and S22 in E. half; from which,

Subdivision of T. 22 N., R. 7 W.

<p>Chians</p> <p>56.00</p> <p>72.22</p> <p>76.00</p> <p>80.00</p>	<p>A cedar, 12 ins. ⁱⁿdiam, brs. S. 53$\frac{1}{2}$ E., 82 lks. dist., marked $\frac{1}{4}$S22 BT.</p> <p>A cedar, 15 ins. ⁱⁿdiam, brs. N. 73 W., 369 lks. dist., marked $\frac{1}{4}$S21 BT.</p> <p>Center of draw, course NE.</p> <p>Road, brs. NW. and SE.</p> <p>Center of valley, 10 chs. wide, course SE.</p> <p>Set an iron post, 3 ft. long, 2 ins. ⁱⁿdiam, 24 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked on brass cap, 1913;</p> <p>T22N R7W in N. half:</p> <p>S16 in NW.,</p> <p>S15 in NE.,</p> <p>S22 in SE. and</p> <p>S21 in SW. quadrant;</p> <p>And raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.</p> <p>Land, level and rolling.</p> <p>Soil, gumbo, 3rd and 4th rate.</p> <p>Timber, scrub cedar and pinion.</p> <p>Undergrowth, rabbit brush and greasewood.</p>
<p>40.00</p> <p>79.95</p> <p>.95</p> <p>3.50</p> <p>6.00</p> <p>10.00</p> <p>39.975</p> <p>52.00</p> <p>63.00</p> <p>79.95</p>	<p>N. 89° 57' W., on a random line, bet. secs. 16 and 21.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Intersect N. and S. line, 5 lks. S. of the cor. of secs. 16, 17, 20 and 21, marked on brass cap, 1913;</p> <p>Thence $\frac{1}{4}$ run</p> <p>S. 89° 55' E., on a true line, bet. secs. 16 and 21.</p> <p>Over rolling land, across draw.</p> <p>Road, brs. N. and S. Asc. SW. slope, 35 ft.</p> <p>Enter timber, brs. N. and S.</p> <p>Top of asc.; desc. SE. slope.</p> <p>Leave timber, brs. NE. and SW. Desc. in valley, over gently sloping land.</p> <p>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;</p> <p>$\frac{1}{4}$S16 in N. and</p> <p>S21 in S. half;</p> <p>And raise amount of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.</p> <p>Road, brs. ENE. and WSW.</p> <p>Same road., brs. WNW. and ESE.</p> <p>The cor. of secs. 15, 16, 21 and 22.</p> <p>Land, level and rolling.</p> <p>Soil, gumbo, 2nd and 3rd rate.</p> <p>Timber, scattering cedar.</p> <p>Undergrowth, rabbit brush.</p> <p>NOTE - At this corner, I set off 11° 15' S. 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 less than the correct lat.</p>
<p>8.00</p> <p>22.00</p> <p>36.00</p> <p>40.00</p>	<p>N. 0° 2' E., bet. secs. 15 and 16.</p> <p>Over rolling land, the</p> <p>Asc. SW. slope, 70 ft. Enter scattering timber and undergrowth, brs., NW. and SE.</p> <p>Ridge, brs. NW. and SE. Desc. N. slope, 25 ft.</p> <p>Center of draw, 2 chs. wide, course NE.</p> <p>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;</p> <p>$\frac{1}{4}$S16 in W. and</p> <p>S. 15 in E. half; from which</p>

Subdivision of T. 22 N., R. 7 W.

Chains.

80.00 A cedar, 6 ins. ⁱⁿdiam, brs. S. 82° E., 100 lks. dist., marked $\frac{1}{4}$ S15 BT.
 A cedar limb, 6 ins. ⁱⁿdiam, brs. N. 61 $\frac{1}{2}$ ° W., 42 lks. dist., marked $\frac{1}{4}$ S16 BT.
 Set an iron post, 3 ft. long, 2 ins. ⁱⁿdiam, 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on brass cap, 1913;
 T22N R7W in N. half;
 S9 in NW.,
 S10 in NE.,
 S15 in SE. and
 S16 in SW. quadrant; from which
 A pinion, 11 ins. ⁱⁿdiam, brs. N. 51 $\frac{1}{2}$ ° E., 36 lks. dist., marked T22N R7W S10 BT.
 A pinion, 10 ins. ⁱⁿdiam, brs. S. 8 $\frac{1}{2}$ ° E., 26 lks. dist., marked T22N R7W S15 BT.
 A pinion, 8 ins. ⁱⁿdiam, brs. S. 26 $\frac{1}{2}$ ° W., 54 lks. dist., marked T22N R7W S16 BT.
 A pinion, 5 ins. ⁱⁿdiam, brs. N. 67 $\frac{1}{2}$ ° W., 41 lks. dist., marked T22N R7W S9 BT.
 Land, level and rolling.
 Soil, gumbo, 3rd and 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and greasewood.

H.N.B.

W.B.K.

40.00 N. 89° 55' W., on a random line, bet. secs. 9 and 16.
 80.14 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, at the cor. of secs. 8, 9, 16 and 17, which is an iron post, marked on brass cap, 1913.
 Thence I run
 S. 89° 55' E., on a true line, bet. secs. 9 and 16.
 12.00 Over rolling land, through scattering undergrowth.
 14.10 Wash, 3 lks. wide, 2 ft. deep, course SW.
 23.75 Road, brs. NE. and SW.
 30.00 Enter heavy timber, brs. N. and S.
 40.07 Asc. NW. slope, 110 ft.
 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;
 $\frac{1}{4}$ S9 in N. and
 $\frac{1}{4}$ S16 in S. half; from which
 A cedar, 12 ins. ⁱⁿdiam, brs. N. 26° W., 55 lks. dist., marked $\frac{1}{4}$ S9 BT.
 A cedar, 9 ins. ⁱⁿdiam, brs. S. 71° E., 30 lks. dist., marked $\frac{1}{4}$ S16 BT.
 Continue to asc. NW. slope, 40 ft.
 44.00 Top of asc.; thence along N. slope.
 50.00 Desc. NE. slope, 275 ft.
 62.00 Leave timber, brs. N. and S.
 68.00 Foot of desc.; brs. NW. and SE.; thence over rolling land.
 76.00 Enter timber, brs. N. and S.
 80.14 The cor. of secs. 9, 10, 15 and 16.
 Land, rolling and mountainous.
 Soil, 3rd rate gumbo, and rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and greasewood.

Feb. 19, 1913.

W.B.K.

H.N.B.

Feb. 20, 1913; At 9 hrs. 0 a.m., l.m.t., I set off 35° 18 $\frac{1}{2}$ ' N. on the lat. arc; 10° 56' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 9, 10, 15 and 16,
 Thence I run,

Subdivision of T. 22 N. R. 7 W.

Chains.

N. 0° 2' E., bet. secs. 9 and 10.
 Over rolling land, through scattering timber and undergrowth.
 18.00 Leave timber, brs. E. and W.
 21.00 Wash, 40 lks. wide, 3 ft. deep, course ESE.
 22.75 Road to Seligman, brs. E. and W.
 23.00 Enter timber, brs. E. and W. Asc. S. slope, 150 ft.
 36.00 Top of hill; 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 pinion, 5 ins. diam, brs. N. 87 $\frac{1}{2}$ ° E., 33 lks. dist., marked $\frac{1}{4}$ S10 BT.
 A pinion, 14 ins. diam, brs. S. 82 $\frac{1}{4}$ ° W., 50 lks. dist., marked $\frac{1}{4}$ S9 BT.
 44.00 Desc. NW. slope, 50 ft.
 49.00 Draw, 50 lks. wide, course SW. Asc. SW. slope, 45 ft.
 55.00 Top of asc.; thence along W. slope.
 72.00 Desc. NW. slope, 35 ft.
 78.00 Gulch, 10 lks. wide, course SW.
 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;
 T22N R7W in N. half;
 S4 in NW.,
 S3 in NE.,
 S10 in SE. and S9 in SW. quadrant; from which
 A pinion, 16 ins. diam, brs. N. 88 $\frac{1}{2}$ ° E., 141 lks. dist., marked T22N R7W S3 BT.
 A cedar, 10 ins. diam, brs. S. 62 $\frac{3}{4}$ ° E., 137 lks. dist., marked T22N R7W S10 BT.
 A cedar, 12 ins. diam, brs. S. 12 $\frac{3}{4}$ ° W., 179 lks. dist., marked T22N R7W S9 BT.
 A cedar, 14 ins. diam, brs. N. 10° W., 377 lks. dist., marked T22N R7W S4 BT.
 Land, rolling, hilly and mountainous.
 Soil, rocky 4th rate on slopes; 3rd rate on flat.
 Timber, scrub cedar and pinion.
 Undergrowth, buck brush and greasewood.
 Mountainous land, 15 chs.

H.N.B.

W.B.K.

40.00 N. 89° 55' W., on a random line, bet. secs. 4 and 9.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.14 Intersect N. and S. line, at the cor. of secs. 4, 5, 8 and 9, which is an iron post, bearing for S. 89° 55' W.
 Thence I run
 S. 89° 55' E., on a true line, bet. secs. 4 and 9.
 Over rolling land, through scattering timber and undergrowth.
 12.00 Draw, course NW. Asc. SW. slope, 60 ft.
 20.00 Thence along S. slope.
 24.00 Asc. SW. slope, 60 ft.
 34.00 Spur ridge, brs. NE. and SW. Desc. SE. slope, 50 ft.
 40.07 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 S9 in S. half; from which
 A cedar, 12 ins. diam, brs. N. 39° E., 229 lks. dist., marked $\frac{1}{4}$ S4 BT.
 A cedar, limb, 6 ins. diam, brs. S. 53 $\frac{1}{4}$ ° W., 223 lks. dist., marked $\frac{1}{4}$ S9 BT.

Chains.

Thence along E. slope.
 44.00 Desc. SE. slope, 25 ft.
 50.10 Gulch, course SW. Asc. NW. slope, 100 ft.
 55.50 Spur ridge, brs. N. and S. Desc. SE. slope, 50 ft.
 61.40 Head of gulch, course S. Asc. SW. slope, 100 ft.
 68.20 Spur ridge, brs. N. and S. Desc. SE. slope, 200 ft.
 77.00 Foot of desc.; brs. NE. and SW.; thence across draw.
 80.14 The cor. of secs. 3, 4, 9 and 10.

Land, hilly and mountainous.
 Soil, rocky 4th rate.
 Timber scrub cedar and pinion.
 Undergrowth, greasewood.

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

W.B.K

H.N.B. ✓

N. 0° 2' E., on a random line, bet. secs. 3 and 4.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Intersect the N. bdy. of the Tp., 2 lks. W. of the ^{old} cor. of secs. 3, 4, 33 and 34, which is an iron post, 3 ins. diam., 12 ins. above ground, marked ^{N. BRASS CAP} and witnessed as described by the Surveyor General.

Thence I run

S. 0° 3' W., on a true line, bet. secs. 3 and 4.
 Over rolling land, through heavy timber.
 40.20 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 W. and S3 in E. half; from which
 A pinion, 6 ins. diam., brs. N. 54 $\frac{1}{2}$ E., 90 lks. dist., marked $\frac{1}{4}$ S3 BT.
 A cedar, 24 ins. diam., brs. S. 82 $\frac{3}{4}$ W., 154 lks. dist., marked $\frac{1}{4}$ S4 BT.

60.00 Desc. SW. slope, 110 ft.
 72.00 Foot of desc.; thence over rolling land, descending in draw, course SSW.

80.20 The cor. of secs. 3, 4, 9 and 10.
 Land, rolling and hilly.
 Soil, rocky 4th rate, and 3 rd rate gumbo.
 Timber, heavy cedar and pinion.
 Heavily timbered land, 50 chs.

Feb. 20, 1913.

Feb. 17, 1913; At 9 hrs. 5m. a.m., l.m.t., I set off 35° 15' N. on the lat. arc; 12° 00' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35, on bdy. of Tp., as described in book "M", page 27.

Thence I run

N. 0° 3' E., bet. secs. 34 and 35.
 Over rolling land, through scattering timber and undergrowth.
 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; $\frac{1}{4}$ S34 in W. and S35 in E. half;
 And raise amount of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 43.00 Centre of draw, 4 chs. wide, course E.
 73.00 Centre of draw, 2 chs. wide, course E.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked on brass cap, 1913;

Subdivision of T. 22 N., R. 7 W.

Chains.

T22N R7W in N. half:
 S27 in NW.,
 S26 in NE.,
 S35 in SE. and
 S34 in SW. quadrant; from which
 A cedar, 5 ins. in diam, brs. N. 64½ E., 211 lks. dist.,
 marked T22N R7W S26 BT.
 A cedar limb, 8 ins. in diam, brs. S 44½ E., 107 lks. dist.,
 marked T22N R7W S35 BT.
 A cedar, 6 ins. in diam, brs. S. 31° W., 80 lks. dist.,
 marked T22N R7W S34 BT.
 A cedar limb, 8 ins. in diam, brs. N. 33½ W., 205 lks. dist.,
 marked T22N R7W S27 BT.
 Land, level and rolling.
 Soil, sandy loam, 3rd rate; subsoil, limestone rock.
 Timber, scattering cedar.
 Undergrowth, rabbit brush.

40.00
79.98

West, on a random line, bet. secs. 27 and 34.
 Set temp. ¼ sec. cor.
 Intersect N. and S. line, 5 lks. S. of the cor. of secs.
 27, 28, 33 and 34, marked on iron post, bearing
 S. 89° E.

6.00
16.00
21.00
36.00
39.99

Thence I run
 S. 89 58' E., on a true line, bet. secs. 27 and 34.
 Over hilly land, through heavy timber.
 Asc. W. slope, 30 ft.
 Ridge, brs. N. and S. Thence across ridge.
 Desc. SE. slope, 40 ft.
 Centre of draw, 4 chs. wide, course NE. Thence over roll-
 ing land.
 Leave heavy, enter scattering timber, brs. N. and S.
 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 S27 in N. and
 S34 in S. half; from which
 A cedar, 20 ins. in diam, brs. N. 16½ W., 192 lks. dist.,
 marked ¼ S27 BT.
 A cedar, 24 ins. in diam, brs. S. 46½ E., 108 lks. dist.,
 marked ¼ S34 BT.
 Centre of draw, 2 chs. wide, course SE.
 The cor. of secs. 26, 27, 34 and 35.
 Land, rolling and hilly.
 Soil, sandy and gravelly loam, 3rd and 4th rate.
 Timber, scattering and heavy cedar and pinion.
 Heavily timbered land, 36 chs.

55.00
79.98

40.00

N. 0° 3' E., bet. secs. 26 and 27.
 Over rolling land, through scattering timber and under-
 growth.
 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 S27 in W. and
 S26 in E. half; from which
 A cedar limb, 12 ins. in diam, brs. S. 79° E., 128 lks. dist.,
 marked ¼ S26 BT.
 A cedar, 5 ins. in diam, brs. S. 69½ W., 57 lks. dist.,
 marked ¼ S27 BT.

NOTE - At this corner, I set off 11° 57½' S on the decl. arc; and
 at a distance of 1000 ft., at random, I observe the sun
 on the meridian the resulting lat. is 35° 16½' N., which
 is slightly higher than the correct. lat.

24

Subdivision of T. 22 N., R. 7 W.

Chains

80.00

Set an iron post, 3 ft. long, 2 ins. in diam, 24 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked on brass cap, 1913;
 T22N R7W in N. half:
 S22 in NW.,
 S23 in NE.,
 S26 in SE. and
 S27 in SW. quadrant;
 And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
 Land, level and rolling.
 Soil, gravelly loam, 3rd rate.
 Timber, scattering cedar.
 Undergrowth, rabbit brush and sagebrush.

40.00

N. 89° 58' W., on a random line, bet. secs. 22 and 27.

80.03

Set temp. ¼ sec. cor.
 Intersect N. and S. line, 26 lks. N. of the cor. of secs. 21, 22, 27 and 28, which is an iron post, here is the same description.

Thence I run

18.00

N. 89° 51' E., on a true line, bet. secs. 22 and 27.
 Over rolling land, through scattering timber and undergrowth.

30.00

Desc. SE. slope, 35 ft.

40.015

Draw, 3 chs. wide, course NE. Asc. slight NW. slope, 25 ft.

Top of asc.; thence along N. slope.

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 S22 in N. and

S27 in S. half; from which
 A cedar, 5 ins. in diam, brs. N. 6° W., 59 lks. dist., marked ¼ S22 BT.

A cedar, 5 ins. in diam, brs. S. 66½° E., 48 lks. dist., marked ¼ S27 BT.

48.00

Desc. NE. slope, 50 ft.

60.00

Draw, 1 ch. wide, course N. Asc. W. slope, 40 ft.

70.00

Spur ridge, brs. N. and S. Desc. E. slope, 40 ft.

80.03

Foot of desc.; thence over rolling land.

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

Land, rolling.

Soil, gravelly loam, 3rd rate; limestone subsoil at 1 ft.

Timber, scrub cedar and pinion.

Undergrowth, buck brush.

Heavily timbered land, 45 chs.

2.27

N. 0° 3' E., bet. secs. 22 and 23.

Over rolling land, through very scattering timber and undergrowth.

32.00

Albert Jone's cabin brs. N. 69° 08' E.

34.86

Dam brs. N. 73° 2' E.

35.20

Centre of valley, 25 chs. wide, drains E.

37.57

Old road, brs. ESE. and W.

Old road, brs. ESE and WSW. Joins other 4 chs. W.

40.00

Albert Jone's cabin brs. S. 72° 24' E. cor., 24 ins. in the

Dam brs. S. 70° 46' E. cor., 24 ins. in the

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 S22 in W. and of stone, 2 ft. base, 1½ ft. high, W.

S23 in E. half; and

And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.

Feb. 17, 1913.

Chains.

Feb. 18, 1913: At 7 hrs. 48m., a.m., l.m.t., I set off
 35° 17' N. on the lat. arc; 11° 38½' S. on the decl. arc;
 and determine a meridian with the solar at the ¼ sec. cor.
 bet. secs. 22 and 23, above described,
 Thence I continue
 N. 0° 3' E., bet. secs. 22 and 23, on N½ mile
 Over level land.
 50.00 Leave level land; 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. 14, 15, 22 and 23, marked
 on brass cap, 1913;
 T22N R7W in N. half:
 S15 in NW.,
 S14 in NE.,
 S23 in SE. and
 S22 in SW. quadrant; from which
 A pinion, 14 ins. diam, brs. N. 79° E., 149 lks. dist.,
 marked T22N R7W S14 BT.
 A pinion, 16 ins. diam, brs. S. 43½ E., 113 lks. dist.,
 marked T22N R7W S23 BT.
 A cedar, 12 ins. diam, brs. S. 57° W., 197 lks. dist.,
 marked T22N R7W S22 BT.
 A cedar limb, 8 ins. diam, brs. N. 32½ W., 67 lks. dist.,
 marked T22N R7W S15 BT.
 Land, level and rolling.
 Soil, sandy loam, 2nd and 3rd rate.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak.

Feb. 18, 1913.

Feb. 19, 1913.
 S. 89° 51' W., on a random line, bet. secs. 15 and 22.
 40.00 Set temp. ¼ sec. cor.
 79.98 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
 15, 16, 21 and 22, marked on brass cap, 1913;
 Thence I run
 N. 89° 52' E., on a true line, bet. secs. 15 and 22.
 Over rolling land, through scattering undergrowth.
 12.00 Asc. SW. slope, 50 ft.
 14.00 Enter timber, brs. NW. and SE.
 17.00 Gulch, 15 lks. wide, course SW.
 28.00 Top of asc.; thence along ridge, brs. E. and NW.
 39.99 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap, 1913;
 S15 in N. and
 S22 in S. half; from which
 A pinion, 12 ins. diam, brs. N. 64½ W., 164 lks. dist.,
 marked S15 BT.
 A cedar limb, 8 ins. diam, brs. S. 65° W., 213 lks. dist.,
 marked S22 BT.
 46.00 Centre of draw, 50 lks. wide, course NE.
 61.00 Centre of draw, 70 lks. wide, course NE.
 79.98 The cor. of secs. 14, 15, 22 and 23.
 Land, level and rolling.
 Soil, gravelly, 3rd and 4th rate; limestone rock subsoil.
 Timber, scrub cedar and pinion.
 Undergrowth, scrub oak.

Feb. 19, 1913.

Feb. 18, 1913.
 N. 0° 3' E., bet. secs. 14 and 15.
 Over rolling land, through scattering timber and under-
 growth.
 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;

Chains.

80.00 ✓
 $\frac{1}{4}$ S15 in W. and
 S14 in E. half; from which
 A cedar limb, 5 ins.ⁱⁿdiam, brs. S. $75\frac{1}{2}^{\circ}$ E., 44 lks. dist.,
 marked $\frac{1}{4}$ S14 BT.
 A cedar, 14 ins.ⁱⁿdiam, brs. N. $85\frac{3}{4}^{\circ}$ W., 425 lks. dist.,
 marked $\frac{1}{4}$ S15 BT.
 Set an iron post, 3 ft. long, 2 ins.ⁱⁿdiam, 24 ins. in
 the ground, for cor. of secs. 10, 11, 14 and 15, marked
 on brass cap, 1913;
 T22N R7W in N. half;
 S10 in NW.,
 S11 in NE.,
 S14 in SE. and
 S15 in SW. quadrant; from which
 A cedar limb, 12 ins.ⁱⁿdiam, brs. S. $52\frac{3}{4}^{\circ}$ E., 161 lks. dist.,
 marked T22N R7W S14 BT.
 A cedar limb, 10 ins.ⁱⁿdiam, brs. N. 34° W., 277 lks. dist.,
 marked T22N R7W S10 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, level and rolling.
 Soil, gravelly, clay and gumbo, 3rd and 4th rate.
 Timber, scattering cedar and pinion.
 Undergrowth, scrub oak.
 NOTE: At this corner, I set off $11^{\circ}36\frac{1}{2}'$ S. on the decl. arc;
 and at noon, Feb. 18, 1913, I observe the
 sun on the meridian, the resulting lat is $35^{\circ}18\frac{1}{2}'$ N.,
 which is the correct lat.

Feb. 18, 1913.

40.00
 79.89
 6.00
 34.00
 39.945
 50.00
 79.89 ✓
 Feb. 19, 1913.
 S. $89^{\circ}52'$ W., on a random line, bet. secs. 10 and 15.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 14 lks. N. of the cor. of secs.
 9, 10, 15 and 16, which is an iron post, described
 as above.
 Thence I run
 $\frac{1}{4}$ N. $89^{\circ}46'$ E., on a true line, bet. secs. 10 and 15.
 Over rolling land, through scattering timber.
 Draw, course SE.
 Centre of draw, 4 chs. wide, course SE.
 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;
 $\frac{1}{4}$ S10 in N. and
 S15 in S. half; from which
 A cedar, 10 ins.ⁱⁿdiam, brs. N. $8\frac{1}{4}^{\circ}$ W., 73 lks. dist.,
 marked $\frac{1}{4}$ S10 BT.
 A pinion, 15 ins.ⁱⁿdiam, brs. S. $28\frac{1}{2}^{\circ}$ E., 197 lks. dist.,
 marked $\frac{1}{4}$ S15 BT.
 Leave timber, brs. NW. and SE.
 The cor. of secs. 10, 11, 14 and 15.
 Land, level and rolling.
 Soil, gravelly, clay and gumbo, 3rd rate.
 Timber, scattering scrub cedar and pinion.
 Undergrowth, rabbit brush and scrub oak.

Feb. 19, 1913.

38.66
 38.82
 40.00 ✓
 Feb. 18, 1913:
 $\frac{1}{4}$ N. $0^{\circ}3'$ E., bet. secs. 10 and 11.
 Over rolling land.
 Wash, 5 lks. wide, 2 ft. deep, course E.
 Road to Seligman, brs. E. and W.
 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;

Chains

80.00 ✓
 1/4 S10 in W. and
 S11 in E. half; from which
 A cedar, 11 ins. diam, brs. N. 59 1/4 E., 43 lks. dist.,
 marked 1/4 S11 BT.
 No other trees within limits. Raise a mound of stone, 2
 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.
 Set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the
 ground, for cor. of secs. 2, 3, 10 and 11, marked on
 brass cap, 1913;
 T22N R7W in N. half;
 S3 in NW.,
 S2 in NE.,
 S11 in SE. and
 S10 in SW. quadrant;
 And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W.
 of cor. Pits impracticable.
 Land, level and rolling.
 Soil, gravelly, gumbo, 3rd rate.
 No timber.
 Undergrowth, scattering scrub oak.
 Feb. 18, 1913.

40.00
 79.76 ✓
 Feb. 20, 1913.
 S. 89 3/4 W., on a random line, bet. secs. 3 and 10.
 Set temp. 1/4 sec. cor.
 Intersect N. and S. line, 9 lks. N. of the cor. of secs.
 3, 4, 9 and 10,
 Thence I run
 N. 89 42' E., on a true line, bet. secs. 3 and 10.
 Asc. W. slope, 220 ft., through scattering timber and
 undergrowth.
 .70 Gulch, 10 lks. wide, course SW.
 12.00 Top of hill; desc. SE. slope, 250 ft.
 26.50 Ravine, 40 lks. wide, course S, Asc. W. slope, 160 ft.
 39.88 ✓ Top of hill; 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 S3 in N. and
 S10 in S. half; from which
 A pinion, 5 ins. diam, brs. N. 68 W., 30 lks. dist.,
 marked 1/4 S3 BT.
 A pinion, 12 ins. diam, brs. S. 9 1/2 W., 84 lks. dist.,
 marked 1/4 S10 BT.
 Desc. SE. slope, 270 ft.
 54.00 Foot of desc.; thence over level land.
 79.76 ✓ The cor. of secs. 2, 3, 10 and 11.
 Land, level and mountainous.
 Soil, rocky 4th rate, and gravelly gumbo, 3 rd rate.
 Timber scrub cedar and pinion.
 Undergrowth, scrub oak and buck brush.
 Mountainous land, 54 chs.
 Feb. 20, 1913.

40.00
 79.72 ✓
 Feb. 18, 1913.
 N. 0° 3' E., on a random line, bet. secs. 2 and 3.
 Set temp. 1/4 sec. cor.
 Intersect N. bdy. of Tp., 33 lks. W. of the cor. of secs.
 2, 3, 34 and 35, which is an iron post, 3 ins. diam,
 12 ins. above ground, marked and witnessed as described
 by the Surveyor General.
 Thence I run,
 S. 0° 17' W., on a true line, bet. secs. 2 and 3.
 Desc. S. slope, 40 ft., through scattering undergrowth.
 10.00 ✓ Foot of desc.; thence over rolling land.

28

Subdivision of T. 22 N., R. 7 W.

Chains.

39.72

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 scrub oak, 5 ins. diam, brs. N. $19\frac{1}{2}$ E., 44 lks. dist., marked $\frac{1}{4}$ S2 BT.
 A cedar limb, 10 ins. diam, brs. N. $52\frac{1}{2}$ W., 328 lks. dist., marked $\frac{1}{4}$ S3 BT.

79.72

The cor. of secs. 2, 3, 10 and 11.
 Land, level and rolling.
 Soil, gravelly, clay and gumbo, 3rd rate.
 No timber.
 Undergrowth, bush cedars and scrub oak.
 Feb. 18, 1913.

Feb. 15, 1913: At 8 hrs. 33 m., a.m., l.m.t., I set off $35^{\circ}15'N.$ on the lat. arc; $12^{\circ}41'S.$ on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on the south bdy. of the Tp. recently established by William D. Kimble, described in book "M", page 28.

Thence I run

N. $0^{\circ}3'E.$, bet. secs. 35 and 36.

Over gently rolling land.

18.00

Centre of draw, 4 chs. wide, course E.

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;

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

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 R7W in N. half;

S26 in NW.,

S25 in NE.,

S36 in SE. and

S35 in SW. quadrant;

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

Land, level and rolling.

Soil, sandy loam, 2nd and 3rd rate; no subsoil at 2 ft.

No timber.

Undergrowth, rabbit brush.

40.00

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

79.94

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

Intersect the N. and S. line, at the cor. of secs. 26, 27, 34 and 35, which is an iron post, marked on brass cap, 1913.

Thence I run

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

Over rolling land, through scattering timber.

19.00

Centre of draw, 2 chs. wide, course SE.

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;

 $\frac{1}{4}$ S26 in N. and

S35 in S. half; from which

A cedar, 18 ins. diam, brs. N. $53\frac{1}{2}$ W., 123 lks. dist., marked $\frac{1}{4}$ S26 BT.

A cedar, 15 ins. diam, brs. S. $71\frac{1}{2}$ W., 111 lks. dist., marked $\frac{1}{4}$ S35 BT.

41.00

Leave timber, brs. N. and S.

79.94

The cor. of secs. 25, 26, 35 and 36.

Chains.	<p>Land, level and rolling. Soil, sandy loam, 3rd rate. Timber, scrub cedar and pinion. Undergrowth, rabbit brush.</p>
40.00	<p>Knowing that it will be necessary to set closing cors. against the E. bdy. of the Tp., I run East, on a true line, bet. secs. 25 and 36. Over gently rolling land. 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; And raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.</p> <p>64.72 Road, brs. NW. and SE. 69.00 Centre of Chino Wash; main channel, 30 lks. wide, 6 ft. deep, course S. 76.80 Top of broken earth dam, 15 chs. long, brs. NE. and SW. and extends 4 chs. NE. Another broken earth dam brs. S. about 15 chs. dist. 78.00 Leave Chino Wash, asc. slight W. slope. 84.00 Road, brs. N. and S. 89.60 Road, brs. NE. and SW. 92.53 Intersect the E. bdy of the Tp., 19.55 chs. N. of the cor. of secs. 28, 29, 31 and 32, which is a limestone, 6x10x8 ins. above ground, marked and witnessed as described by the Surveyor General. At the point of intersection, I set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the ground, for closing cor. of secs. 25 and 36, marked on brass cap, 1913; CC, E. of center; T22N in N. and S29, S31, R6W in E. half; S25 in NW. and S36, R7W in SW. quadrant; And 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 Undergrowth. sage brush.</p>
40.00	<p>N. 0 3'E., bet. secs. 25 and 26. Over rolling land. 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; And raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.</p>
60.00	<p>Centre of draw, 4 chs. wide, course E. Asc. S. slope, 50 ft.</p>
66.00	<p>Top of asc.; thence over rolling land.</p>
80.00	<p>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 R7W 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.</p>
	<p>Land, level and rolling. Soil, gravelly loam, 3rd rate; subsoil, limestone ledges at 12 ins.</p>

Subdivision of T. 22 N., R. 7 W.

Chains

No timber.

Undergrowth, sagebrush and rabbit brush.

NOTE: At this corner, I set off 12⁷/₃₉' S. on the decl. arc; and at noon, I observe the sun on the mer.; the resulting lat. is 35° 16¹/₂' N., which is slightly less than the correct lat.

40.00
79.93

West, on a random line, bet. secs. 23 and 26.
Set temp. ¹/₄ sec. cor.
Intersect N. and S. line at the cor. of secs. 22, 23, 26 and 27, which is an iron post, hereinbefore described. Thence I run

20.00
39.965

East, on a true line, bet. secs. 23 and 26.
Over gently rolling land, through scattering timber and undergrowth.
Centre of draw, 3 chs. wide, course SE.
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; ¹/₄S23 in N. and ¹/₄S26 in S. half; from which

A cedar, 16 ins. diam, brs. N. 46¹/₂ W., 96 lks. dist., marked ¹/₄S23 BT.
A cedar, 36 ins. diam, brs. S. 41¹/₂ W., 20 lks. dist., marked ¹/₄S26 BT.

44.00
54.00
58.00
79.93

Centre of draw, 3 chs. wide, course SE. Asc. slight SW. slope, 25 ft.
Leave timber, brs. NW. and SW.
Top of asc.; thence over rolling land.
The cor. of secs. 23, 24, 25 and 26.
Land, level and rolling.
Soil, gravelly loam, 3rd rate; rocky in places.
Timber, scrub cedar and pinion.
Undergrowth, scrub oak.

20.00
27.00
37.25
40.00

East, on a true line, bet. secs. 24 and 25.
Over rolling land.
Centre of draw 2 chs. wide, course ESE.
Road, brs. NW. and SE.
Road, brs. NW. and SE.
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; ¹/₄S24 in N. and ¹/₄S25 in S. half;

63.00
65.20
70.00
71.70

And raise a mound of stone, 2 ft. base, 1¹/₂ ft. high, N. of cor. Pits impracticable.
Foot of cliff, 55 ft. high, brs. N. and S.
Top of cliff; thence across rocky mesa.
Descend precipice, 55 ft. high.
Foot of desc, brs. NNE. ans SSW. Centre of Chino Wash, 50 lks. wide, 3 ft. deep, course S.
Canyon Mouth Dam, owned by Jerry Sullivan, brs. N 50° E., about 16 chs. dist.

77.70
92.39

Road, brs. N. and S. Asc. gradual W. slope.
Intersect E. bdy. of Tp., 19.46 chs. N. of the cor. of secs. 20, 20, 20 and 29, which is a limestone, 6x12x8 ins. above ground, marked and witnessed as described by the Surveyor General.
At the point of intersection, I set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the ground, for closing cor. of secs. 24 and 25, marked on brass cap, 1913;
CC, E. of center;
¹/₄S22 in N. and ¹/₄S20, S29, R5W in E. half;

Chains	<p>S24 in NW. and S25, R7W in SW. quadrant; And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, level, rolling and hilly. Soil, good sandy loam on flat; rocky 4th rate on slopes. No timber, or undergrowth.</p>
15.00 17.00 40.00 65.75 80.00	<p>N. 0° 3'E., bet. secs. 23 and 24. Over rolling land. Centre of draw, 2 chs. wide, course SE. Road to Albert Jone's Tank, brs. E. and W. Set an iron post, 3 ft. long, 1 in. ⁱⁿdiam, 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, 1913; ¼ S23 in W. and S24 in E. half; And raise amount of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Road, brs. NE. and SW. Set an iron post, 3 ft. long, 2 ins. ⁱⁿdiam, 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap, 1913; T22N R7W in N. half; S14 in NW., S13 in NE., S24 in SE. and S23 in SW. quadrant; And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, level and rolling. Soil, gravelly loam, 3rd and 4th rate. No timber or undergrowth.</p> <p style="text-align: right;">Feb. 15, 1913.</p>
40.00 79.97 39.985 44.00 57.00 79.97	<p>Feb. 16, 1913. West, on a random line, bet. secs. 14 and 23. Set temp. ¼ sec. cor. Intersect N. and S. line, 19 ^{lks.} N. of the cor. of secs. 14, 15, 22 and 23, which is an iron post, marked Thence I run N. 89° 52'E., on a true line, bet. secs. 14 and 23. Over rolling land, through scattering timber. Set an iron post, 3 ft. long, 1 in. ⁱⁿdiam, 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 cedar, 22 ins. ⁱⁿdiam, brs. N. 55¼ E., 344 lks. dist., marked ¼ S14 BT. A pinion, 12 ins. ⁱⁿdiam, brs. S. 81 E., 253 lks. dist., marked ¼ S23 BT. Leave timber, brs. N. and S. Wash, 15 lks. wide, 2 ft. deep, course SE. The cor. of secs. 13, 14, 23 and 24. Land, level and rolling. Soil, gravelly loam, 3rd rate. Timber, scrub cedar and pinion.</p> <p style="text-align: right;">Feb. 16, 1913.</p>
7.80	<p>Feb. 15, 1913. East, on a true line, bet. secs. 13 and 24. Over rolling land. Road, brs. N. and S.</p>

Chains.	
9.00	Center of draw, 2 chs. wide, course S.
12.00	Asc. W. slope, 50 ft.
17.00	Top of asc.; 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 and on brass cap, 1913; $\frac{1}{4}$ S13 in N. and S24 in S. half;
	Dig pits, 18x18x12 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.
66.00	Center of draw, 4 chs. wide, course SSE. Asc. W. slope, 30 ft.
80.00	Thence over rolling land.
88.50	Rock wall of Chino Wash, 75 ft. high, brs. NNE. and SSW.
91.50	Foot of wall.
92.31	Intersect E. bdy. of Tp., 19.46 chs. N. of the cor. of secs. 16, 17, 20 and 20, which is a malpais stone, 5x10x6 ins. above ground, marked and witnessed as described by the Surveyor General.
	At the point of intersection, I set an iron post, 3 ft. long, 2 ins. diam, 24 ins. in the ground, for closing cor. of secs. 13 and 24 ^{T22N R7W} marked on brass cap, 1913; CC, E. of center.
	T22N in N. and S17, S20, R6W in E. half; S13 in NW. and S24, R7W in SW. quadrant;
	And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling and hilly.
	Soil, sandy loam, 3rd rate; subsoil, cemented gravel at 1 ft. depth.
	No timber or undergrowth.
	Feb. 15, 1913.
	Feb. 16, 1913: At 8 hrs. 30 m., a.m., l.m.t., I set off 35 $\frac{1}{2}$ °17 $\frac{1}{2}$ ' N. on the lat. arc; 12 $\frac{1}{2}$ °20 $\frac{1}{2}$ ' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24,
	Thence I run
16.30	N. 0°3'E., bet. secs. 13 and 14.
40.00	Over gently rolling land. Old road, brs. NE. and SW.
	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;
	And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
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 R7W in N. half:
	S11 in NW.,
	S12 in NE.,
	S13 in SE. and
	S14 in SW. quadrant;
	And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, level and rolling.
	Soil, sandy loam, 2nd and 3rd rate; subsoil, limestone ledges and cemented gravel at 1 foot down.
	No timber, or undergrowth.

Subdivision of T. 22 N., R. 7 W.

Chains.

40.00
79.83

S. 89° 52' W., on a random line, bet. secs. 11 and 14.
Set temp. 1/4 sec. cor.
Intersect N. and S. line, 9 lks. N. of the cor. of secs.
10, 11, 14 and 15,

39.915

Thence I run
N. 89° 48' E., on a true line, bet. secs. 11 and 14.
Over gently rolling land, through very scattering timber.
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;

79.83

1/4 S11 in N. and
1/4 S14 in S. half; from which
A cedar, 18 ins. diam, brs. N. 2 3/4 W., 761 lks. dist.,
marked 1/4 S11 BT.
A cedar limb, 12 ins. diam, brs. S. 81 1/4 W., 509 lks. dist.,
marked 1/4 S14 BT.
Leave scattering timber, brs. N. and S.
The cor. of secs. 11, 12, 13 and 14.
Land, level and rolling.
Soil, sandy loam, 2nd and 3rd rate.
Timber, scattering cedar and pinion.
Undergrowth, scrub oak and rabbit brush.

40.00

East, on a true line, bet. secs. 12 and 13.
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;

92.17

1/4 S12 in N. and
1/4 S13 in S. half;
And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N.
of cor. Pits impracticable.
Intersect the E. bdy. of the Tp., 19.54 chs. N. of the
cor. of secs. 8, 9, 16 and 17, which is a limestone,
6x9x6 ins. above ground, marked and witnessed as describ-
ed by the Surveyor General.
At the point of intersection, I set an iron post, 3 ft.
long, 2 ins. diam., 24 ins. in the ground, for closing
cor. of secs. 12 and 13, marked on brass cap, 1913;
CC, E. of center;
T22N in N., and
S8, S17, R6W in E. half;
S12 in NW., and
S13, R7W in SW. quadrant;
And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W.
of cor. Pits impracticable.
Land, level and rolling.
Soil, sandy loam, 3rd rate.
No timber or undergrowth.

NOTE

- At the cor. of secs. 11, 12, 13 and 14, I set off 12°
18 1/2' S. on the decli arc; and at noon, 12.30 p.m.,
I observe the sun on the meridian, the resulting
lat. is 35° 18 1/2' N., which is the correct lat.
N. 0° 3' E., bet. secs. 11 and 12.

40.00

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 S11 in W. and
1/4 S12 in E. half.
And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W.
of cor. Pits impracticable.

Subdivision of T. 22 N., R. 7 W.

Chains	
52.35 80.00	<p>Road to Seligman, brs. NE. and SW. Set an iron post, 3 ft. long, 2 ins.ⁱⁿdiam, 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap, 1913; T22N R7W in N. half; S2 in NW., S1 in NE., S12 in SE. and S11 in SW. quadrant; And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. pits impracticable. Land, level. Soil, sandy loam, 3rd and 4th rate.; subsoil, limestone ledges and cemented gravel, 1 foot down. No timber, or undergrowth.</p>
40.00 79.76	<p>S. 89° 48' W., on a random line, bet. secs. 2 and 11. Set temp. ¼ sec. cor. Intersect the N. and S. line, 2 lks. S. of the cor. of secs. 2, 3, 10 and 11, which is an iron post, as before described. Thence I run N. 89° 49' E., on a true line, bet. secs. 2 and 11. Over level land.</p>
39.88	<p>Set an iron post, 3 ft. long, 1 in.ⁱⁿdiam, 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, 1913; ½ S2 in N. and S11 in S. half; And raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.</p>
79.76	<p>The cor. of secs. 1, 2, 11 and 12. Land, level. Soil, sandy loam, 3rd rate. No timber, or undergrowth.</p>
39.00 40.00	<p>East, on a true line, bet. secs. 1 and 12. Over level land. Enter a clump of cedar trees. Set an iron post, 3 ft. long, 1 in.ⁱⁿdiam, 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, 1913; ½ S1 in N. and S12 in S. half; from which A cedar, 9 ins.ⁱⁿdiam, brs. N. 25½ E., 37 lks. dist., marked ½ S1 BT. A cedar, 7 ins.ⁱⁿdiam, brs. S. 3¼ W., 19 lks. dist., marked ½ S12 BT.</p>
40.50 92.06	<p>Leave timber, brs. N. and S. Intersect E. bdy. of Tp., 19.55 chs. N. of the cor. of secs. 1, 5, 8 and 12, which is a malpais, stone, 6x10x8 ins. above ground, marked and witnessed as described by the Surveyor General. At the point of intersection, I set an iron post, 3 ft. long, 2 ins.ⁱⁿdiam, 24 ins. in the ground, for closing cor. of secs. 1 and 12, marked on brass cap, 1913; CC, E. of center; T22N in N. and S5, S8, R6W in E. half; S1 in NW. and S12, R7W in SW. quadrant; from which A cedar, 5 ins.ⁱⁿdiam, brs. N. 8° W., 258 lks. dist., marked T22N R7W S1 BT. A cedar, 10 ins.ⁱⁿdiam, brs. S. 22½ W., 110 lks. dist., marked T22N R7W S12 BT.</p>

Chains.

Land, level and rolling.
Soil, sandy loam, 3rd rate.
Timber, scattering scrub cedar.

40.00
79.38

N. 0° 3' E., on a random line, bet. secs. 1 and 2.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. bdy. of the Tp., 42 lks. W. of the ^{wp} cor.
of secs. 1, 2, 35 and 36, 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.

39.38

Thence I run
S. 0° 21' W., on a true line, bet. secs. 1 and 2.
Over level 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;
 $\frac{1}{2}$ S 2 in W. and
S 1 in E. half;

79.38

And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W.
of cor. Pits impracticable.
The cor. of secs. 1, 2, 11 and 12.
Land, level.
Soil, red sand.
No timber, or undergrowth.

Feb. 16, 1913.
H.N.B.

General Description.

The west half of the Tp., is mountainous and rolling;
the soil is rocky, 3rd and 4th rate, and the ground is
covered with heavy scrub cedar and scattering pinion
trees. There are patches of dense undergrowth.
The east half of the Tp. is gently rolling; the soil is
a mixture of sandy loam, clay and gumbo, with a subsoil
of limestone ledges and cemented gravel close to the top.
There is some scattering timber and undergrowth on
the east half of the Tp. The Tp. drains to the E.
There is one earth and rock dam in the Tp., fenced in,
with a cabin beside it, but there are no settlers.

William B. Kimmel.

U. S. Surveyor.

Henry Bradstreet

U. S. Transitman.

415
BOOK 2684
BOOK 2734

(36)

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

(Subdivision E $\frac{1}{2}$ 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.22 North, Range No.7 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 ^{their} special instructions dated October 18, 1912 for Group 24, ~~and~~ 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.~~