

BOOK N^o
Standard Lines
FIELD NOTES

OF THE SURVEY OF THE

First Guide Meridian West through

TOWNSHIPS 23, 26 ^{AND PART OF} 27 NORTH, between

RANGES 4 & 5 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 December 4, 1912

Survey completed January 13, 1913

INDEX DIAGRAM.




Township _____, Range _____

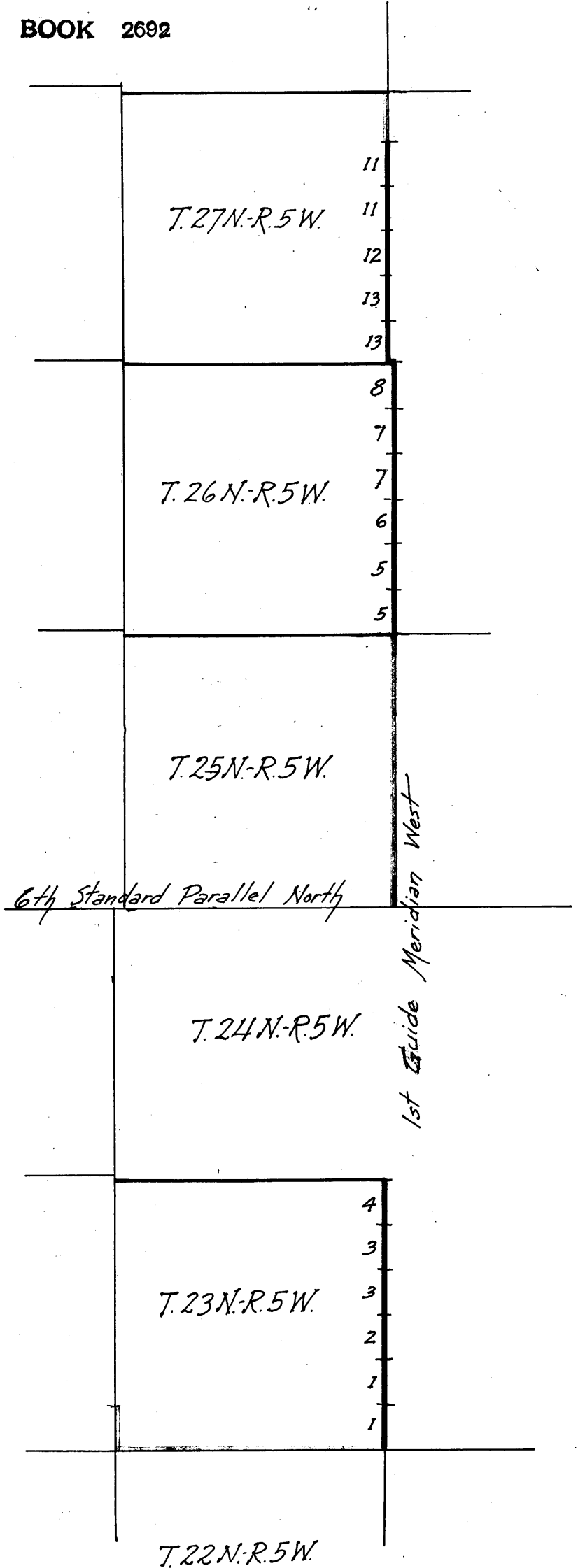
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GROUP 24 ARIZONA
SURVEY OF STANDARD LINES
* INDEX DIAGRAM *

BOOK 2692

- SYMBOLS -

-  This book
-  Book "M" (EXTERIORS)
-  Book "O" (resurveys & retracements)



First Guide Meridian West Through T23N, bet. Rs. 4 & 5 W.

Chains. *NOTE:- Initials "WBK" and "HNB" in the following notes indicate surveys by William B. Kimmel, U.S. Surveyor and H.N. Bradstreet, U.S. Transitman, respectively.*

Survey commenced Dec 4, 1912, and executed with a Young and Sons Light Mountain Transit, #8541, with Smith Solar Attachment. For description of instrument, Certificate of Approval, and record of tests, see Book "O", page 1

At 8h 32m a.m. l.m.t., I set off 35°20' N. on the lat. arc, 22°13' S. on the decl. arc, and determine a meridian with the solar at the cor. of Tps 22 & 23 N Rs 4 & 5 W, which is a stone, 6 X 20 X 9 ins. above ground, marked and witnessed as described by the Surveyor General. Thence I run,

North, bet. secs. 31 & 36.

31.70 Desc. NE. slope, over rolling rocky ground. No timber. Wash, course NE; 130 ft. below cor. Asc. SE slope, 40 ft. Difference between measurement of 40. chs., by two sets of chainmen is 4 lks.; position of middle point
By first set, 39.98 chs.
By 2nd set, 40.02 chs.; the mean of which is

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, 1912; 1/4 S 36 in W, and S 31 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.*

42.00 Desc. NE slope, 40 ft.

58.36 Drain, 5 lks. wide, course SW. Asc. SE. slope, 85 ft. Difference bet measurements of 80.00 chs. by two sets of chainmen is 8 lks.; position of middle point
By 1st set, 79.96 chs.
By 2nd set, 80.04 chs.; the mean of which is

80.00 Set an iron post, 3 ft. long, 3 ins. diam, 24 ins. in the ground, for cor. of secs. 25, 30, 31 & 36, marked on brass cap, 1912;
T23N in N. half;
R5W S25 in NW,
R4W S30 in NE,
S31 in SE, and
S36 in SW. quadrant; from which
A cedar, 10 ins. diam, brs. N 59 1/2° E., 49 lks. dist., marked T23N R4W S30 BT.
A cedar; 14 ins. diam, brs. S 48° E., 148 lks. dist., marked T23N R4W S31 BT.
A cedar, 8 ins. diam., brs. S 24 1/2° W., 91 lks. dist., marked T23N R5W S36 BT.
A cedar, 18 ins. diam, brs N 12° W., 79 lks. dist., marked T23N R5W S25 BT.
Land, rolling.
Soil, very rocky 4th rate. Volcanic.
Timber, scattering scrub cedar.

North, bet. secs. 25 & 30.
Over gently rolling land, no timber.

6.44 Wash, 3 lks. wide, course E.

9.90 Wash, 5 lks. wide, course E.

38.00 Desc. N slope 30 ft.
Difference bet. measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point
By 1st set 39.99 chs.
By 2nd set 40.01 chs.; the mean of which is

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, 1912; 1/4 S 25 in W, and S 30 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.*

41.10 Gulch, course W. Asc S slope 130 ft. Enter heavy scrub cedar brs. E & W.

74.00 Top of asc. Ridge, brs. NW & SE. Continue over rolling land.

Chains.	<p>Difference bet. measurements of 80.00 chs. by two sets of chainmen, 10 lks.; position of middle point By 1st set, 79.95 chs. By 2nd set, 80.05 chs.; the mean of which is</p> <p>80.00 Set an iron post, 3 ft. long, 3 ins.ⁱⁿdiam, 24 ins. in the ground, for cor. of secs. 19, 24, 25 & 30, marked on brass cap, 1912; T23N in N. half; R5W S24 in NW, R4W S19 in NE, S30 in SE, and S25 in SW. quadrant; from which A cedar, 9 ins.ⁱⁿdiam, brs. N53° E., 21 lks. dist., marked T23N R4W S19 BT. A cedar, 6 ins.ⁱⁿdiam., brs. S59½° E., 57 lks. dist., marked T23N R4W S30 BT. A cedar, 6 ins.ⁱⁿdiam, brs. S15° W., 27 lks. dist., marked T23N R5W S25 BT. A cedar, 10 ins.ⁱⁿdiam, brs. N36° W., 101 lks. dist., marked T23N R5W S24 BT. Land level and rolling. Soil, volcanic, very rocky. 4th rate. Timber and undergrowth, heavy scrub cedar.</p> <p>NOTE:— The sky was overcast at noon making an observation for lat. impossible.</p>
20.00 29.55 32.10 37.28	<p>North, bet. secs. 19 & 24. Over gently rolling land through heavy scrub cedar timber. Top of spur ridge, brs. E & W. Desc. N slope, 175 ft. Enter ravine. Desc cliffs. Bottom of ravine, 30 lks. wide, course NW. Asc. cliffy S. slope, 135 ft. Slope changes to W. Difference bet. measurements of 40.00 chs. by two sets of chainmen, 3 lks.; position of middle point By 1st set, 40.015 chs. By 2nd set, 39.985 chs.; the mean of which is</p> <p>40.00 Set an iron post, 3 ft. long, 1 ins.ⁱⁿdiam, 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, 1912; ¼ S24 in W. hand S19 in E. half, from which A cedar, 8 ins.ⁱⁿdiam, brs. S. 20° E., 31 lks. dist., marked ¼ S19 BT. A cedar, 20 ins.ⁱⁿdiam, brs. N47° W., 43 lks. dist., marked ¼ S24 BT.</p> <p style="text-align: right;">Dec. 4, 1912.</p>
56.00 70.40 73.15 77.25	<p>Dec. 5, 1912: At 8h. 35m. a.m., l.m.t., I set off 35° 22' N on the lat. arc, 22° 21' S. on the decl. arc, and determine a meridian with the solar at the ¼ sec. cor. bet. secs. 19 & 24, above described, thence I continue, North, bet. secs. 19 & 24. Spur ridge, brs. NE. & SW. Desc NW. slope 104 ft. Desc. precipitously to Bottom of ravine, 20 lks. wide, course W. Asc. cliffy S. slope, 120 ft. Top of asc. Thence over rolling land. Difference bet. measurements of 80.00 chs. by two sets of chainmen, 12 lks.; position of middle point, By 1st. set, 79.94 chs. By 2nd. set, 80.06 chs.; the mean of which is</p>
80.00	<p>80.00 Set an iron post, 3 ft. long, 3 ins.ⁱⁿdiam, 24 ins. in the ground, for cor. of secs. 13, 18, 19 & 24, marked on brass cap, 1912; T23N in N. half; R5W S13 in NW, R4W S18 in NE, S19 in SE., and S24 in SW. quadrant; from which A cedar, 10 ins.ⁱⁿdiam, brs. N67° E., 43 lks. dist., marked T23N R4W S18 BT.</p>

First Guide Meridian West Through T23N, bet. Rs. 4 & 5.W,

Chains.

A cedar, 12 ins. in diam, brs. S76°E., 22 lks. dist., marked T23N R4W S19 BT.

A cedar, 14 ins. in diam, brs. S66°W., 49 lks. dist., marked T23N R5W S24 BT.

A cedar, 9 ins. in diam, brs. N32½°W., 37 lks. dist., marked T23N R5W S13 BT.

Land rolling and mountainous.
Soil rocky 4th rate gumbo.
Timber scrub cedar.
Heavily timbered land, 80.00 chs.; mountainous land, 15 chs.

4.00 North, bet. secs. 13 & 18.
Over gently rolling land, through heavy scrub cedar.
Low ridge, brs. NW. & SE.
Difference bet. measurements of 40.00 chs by two sets of chainmen, 4 lks.; position of middle point,
By 1st set, 39.98 chs.
By 2nd set, 40.02 chs.; the mean of which is

40.00 Set an iron post, 3 ft. long, 1 in. in diam, 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, 1912; S13 in W, and S18 in E half; from which
A cedar, 6 ins. in diam, brs. S60¼°E., 25 lks. dist., marked ¼S18 BT.
A cedar, 14 ins. in diam, brs. N73°W, 25 lks. dist., marked ¼S13 BT.

NOTE - At this corner, I set off 22°23'S on the decl arc, and at noon I observe the sun on the meridian; the resulting lat. is 35°23'N which is the correct.

70.16 Desc. NW slope, 145 ft.
Gulch, 15 lks. wide, course NW. Asc. SW. slope, 95 ft.

77.90 Top of asc., brs. NW & SE. Thence along level bench.
Difference bet. measurements of 80.00 chs. by two sets of chainmen, 6 lks.; position of the middle point
By 1st set, 79.97 chs.
By 2nd set, 80.03 chs., the mean of which is

80.00 Set an iron post, 3 ft. long, 3 ins. in diam, 24 ins. in the ground, for cor. of secs. 7, 12, 13 & 18, marked on brass cap, 1912;
T23N in N half;
R5W S12 in NW,
R4W S7 in NE,
S18 in SE, and
S13 in SW quadrant, from which
A cedar, 12 ins. in diam, brs, N83°E., 50 lks. dist., marked T23N R4W S7 BT.
A cedar, 6 ins. in diam, brs. S12¼°E., 26 lks. dist., marked T23N R4W S18 BT.
A cedar, 7 ins. in diam, brs. S32¼°W., 82 lks. dist., marked T23N R5W S13 BT.
A cedar, 16 ins. in diam, brs. N80°W., 26 lks. dist., marked T23N R5W S12 BT.
Land, level and rolling.
Soil, volcanic, very rocky 4th rate.
Timber and undergrowth, heavy scrub cedar.

6.75 North, bet. secs. 7 & 12.
Over gently rolling, rocky land, through heavy cedar.
Desc. NW. slope, 145 ft.

15.20 Wash, 3 lks. wide, course NW.

17.80 Wash, 10 lks. wide, course SW. Asc. SE. slope, 65 ft.

26.00 Top of asc., brs. NE & SW. Thence over rolling land.

36.85 Trail, brs. E & W.
Difference bet. measurements of 40.00 chs. by two sets of chainmen, 8 lks.; position of middle point
By 1st set, 39.96 chs.
By 2nd set, 40.04 chs.; the mean of which is

First Guide Meridian West, through T23N, bet. Rs. 4 & 5 W.

Chains
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, 1912; $\frac{1}{4}$ S12 in W, and S7 in E half, from which
A cedar, 8 ins. ⁱⁿ diam, brs. S24° E., 31 lks dist., marked $\frac{1}{4}$ S7 BT.
A cedar, 8 ins. ⁱⁿ diam, brs. S63° W., 68 lks. dist., marked $\frac{1}{4}$ S12 BT.

Dec. 5, 1912.

Dec. 6, 1912: At 7h54m a.m., l.m.t., I set off 35° 24' N on the lat. arc, 22° 27' S on the decl. arc, and determine a meridian with the solar at the $\frac{1}{4}$ sec. cor. bet. secs. 7 & 12, above described, thence I continue North, bet. secs. 7 & 12.

Difference in measurements of 80.00 chs. by two sets of chainmen, 3 lks.; position of middle point

By 1st set, 80.015 chs.

By 2nd set, 79.985 chs., the mean of which is

80.00

Set an iron post, 3 ft. long, 3 ins. ⁱⁿ diam, 24 ins. in the ground, for cor. of secs. 1, 6, 7 & 12, marked on brass cap, 1912;

T23N in N half;

R5W S1 in NW,

R4W S6 in NE,

S7 in SE, and

S12 in SW. quadrant, from which

A cedar, 10 ins. ⁱⁿ diam, brs. N86 $\frac{1}{2}$ ° E., 34 lks. dist., marked T23N R4W S6 BT.

A cedar, 14 ins. ⁱⁿ diam, brs. S66° E., 19 lks. dist., marked T23N R4W S7 BT.

A cedar, 9 ins. ⁱⁿ diam, brs S44° W., 40 lks. dist., marked T23N R5W S12 BT.

A cedar, 9 ins. ⁱⁿ diam, brs. N17 $\frac{1}{2}$ ° W., 33 lks. dist., marked T23N R5W S1 BT.

Land rolling.

Soil, rocky volcanic, 4th rate.

Timber, scrub cedar and a few pinions.

Heavily timbered land, 80.00 chs.

6.00
15.10
18.25

North, bet. secs. 1 & 6.

Over gently rolling land, through heavy scrub cedar.

Desc. NW slope 55 ft.

Gulch, course SW. Ascend ^{cliffy} SE. slope, 40 ft.

Top of asc. Thence over gently rolling land.

Difference bet. measurements of 40.00 chs. by two sets of chainmen, 4 lks.; position of middle point,

By first set, 39.98 chs.

By 2nd set, 40.02 chs.; the mean of which is

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, 1912;

$\frac{1}{4}$ S1 in W, and

S6 in E. half, from which

A cedar, 16 ins. ⁱⁿ diam, brs. N63 $\frac{1}{2}$ ° E., 69 lks. dist., marked $\frac{1}{4}$ S6 BT.

A cedar, 8 ins. ⁱⁿ diam, brs. S22 $\frac{1}{2}$ ° W., 77 lks. dist., marked $\frac{1}{4}$ S1 BT.

58.00

Leave heavy timber, brs. NE & SW.

Difference bet. measurements of 80.00 chs. by two sets of chainmen, 8 lks.; position of middle point,

By first set, 79.96 chs.

By 2nd set, 80.04 chs., the mean of which is

80.00

Set an iron post, 3 ft. long, 3 ins. ⁱⁿ diam, 24 ins. in the ground, for cor. of Tps 23 & 24N, Rs 4 & 5W, marked on brass cap, 1912;

T24N in N,

R4W in E,

T23N in S, and

R5W in W. half;

S36 in NW,

S31 in NE,

S6 in SE, and

S1 in SW. quadrant

and raise a mound of stone, 2 ft. base $\frac{1}{2}$ ft. high, S. of cor. Pits. impracticable. No bearing trees within limits. Land, level and rolling
Soil, rocky, 4th rate gumbo.
Timber, heavy scrub cedar with scattering pinions.
Heavily timbered land, 60.00 chains.

W.B.K.
Dec. 6, 1912.

1st Guide Mer. West Through Tps. 26 N., bet. Rs. 4 and 5 W. 5

Chains.

Survey commenced Dec. 28, 1912, and executed with Young & Sons' Light Mountain Transits Nos. 7695 and 8541 with Smith Solar Attachment. For description of instrument and record of tests, see book "O", page 1.

9 hrs. 6 m. a.m., l.m.t., I set off 35°36' N. on the lat. arc; 23°15' S. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 25 and 26 N., Rs. 4 and 5 W., which is a malpais stone 8 X 20 X 18 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence I run North, bet. secs. 31 and 36. Over rolling, rocky land. Desc. gradual N. slope. Gulch 15 lks. wide, course NW. Asc. gradually. Top of asc. Desc. N. slope 120 ft. Difference bet. measurements of 40 chains by two sets of chainmen is 2 lks. Position of middle point By 1st set is 40.01 chains By 2nd set is 39.99 chains; the mean of which is Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap, 1912; 1/4 S36 in W. and 1/4 S31 in E. half; from which A cedar, 10 ins. diam, brs. S36 1/4 E., 170 lks. dist., marked 1/4 S31 BT.

No other trees within limits. Raise amount of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable. Center of draw 3 chains wide, course NE. Enter dense cedar and pinion timber, brs. E. and W. Difference bet. measurements of 80.00 chains by two sets of chainmen is 1 lk. Position of middle point By 1st set is 80.00 1/2 chains By 2nd set is 79.99 1/2 chains; the mean of which is Set an iron post, 3 ft. long, 3 ins. diam, 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked on brass cap, 1912; T26N in N. half; R5W, S25 in NW., R4W, S30 in NE., S31 in SE. and S36 in SW. quad.; from which A cedar, 15 ins. diam, brs. N74° E., 11 1/2 lks. dist., marked T26N R4W S30 BT. A cedar, 10 ins. diam, brs. S50 1/4 E., 21 lks. dist., marked T26N R4W S31 BT. A cedar, 14 ins. diam, brs. S25 3/4 W., 23 lks. dist., marked T26N R5W, S36 BT. A cedar 15 ins. diam brs. N66 1/4 W., 19 lks. dist., marked T26N R5W, S25 BT.

Land, rolling and hilly. Soil, very rocky, 4th rate, gumbo. Timber, heavy cedar and pinion.

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

10.00

18.00

32.00

40.00

54.90

56.00

80.00

36.00

40.00

42.00

North, bet. secs. 25 and 30. Over rolling, rocky land, covered with dense cedar timber. Desc. N. slope 30 ft. Difference bet. measurements of 40.00 chains by two sets of chainmen is 3 lks. Position of middle point By 1st set is 40.01 1/2 chains By 2nd set is 39.98 1/2 chains; the mean of which is Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap, 1912; 1/4 S25 in W. and 1/4 S30 in E. half; from which A cedar, 10 ins. diam, brs. S50 1/4 E., 36 lks. dist., marked 1/4 S30 BT. A cedar, 24 ins. diam, brs. N83 3/4 W., 90 lks. dist., marked 1/4 S25 BT. Leave timber, brs. NW. and SE. Enter draw, course NW.

1st Guide Mer. West, through Tps. 26 N., bet. Rs. 4 and 5 W.

Chains
 50.25 Wash in draw, 40 lks. wide, 4 ft. deep, course NW.
 52.00 Leave draw, enter scattering cedar timber, brs. NE.
 and SW. Asc. SW. slope 70 ft.
 62.00 Top of asc.; thence across rocky spur, brs. NW and SE
 67.00 Desc. N. slope 50 ft.
 75.00 Draw 2 chains wide, course SW. Asc. gradual S. slope
 Difference bet. measurements of 80.00 chains by two
 sets of chainmen is 4 lks. Position of middle point
 By 1st set is 80.02 chs.,
 By 2nd set is 79.98 chs.; the mean of which is
 80.00 Set an iron post, 3 ft. long, 3 ins. diam.; 24 ins. in
 the ground, for cor. of secs. 19, 24, 25 and 30, marked
 on brass cap, 1912;
 T26N in N. half;
 R5W, S24 in NW;
 R4W, S19 in NE;
 S30 in SE, and
 S25 in SW. quad.; from which
 A cedar, 8 ins. diam., brs. N20 $\frac{1}{2}$ ° E., 10 lks. dist., marked
 T26N R4W S19 BT.
 A cedar, 8 ins. diam., brs. S82° E., 7 lks. dist., marked
 T26N R4W S30 BT.
 A cedar, 7 ins. diam., brs. S53 $\frac{1}{4}$ ° W., 41 lks. dist., marked
 T26N R5W S25 BT.
 A cedar, 9 ins. diam., brs. N43 $\frac{1}{2}$ ° W., 30 lks. dist., marked
 T26N R5W S24 BT.
 Land, rolling and hilly.
 Soil, very, rocky, 4th rate, gumbo.
 Timber, scattering and heavy scrub cedar and pinion.
 Dec. 28, 1912.

H.N.B.

W.B.K.

Jan. 4, 1913, At 8 hrs. 27 m. a.m., l.m.t., I set off
 35° 37 $\frac{1}{2}$ ' N. on the lat. arc; 22° 42' S. on the decl. arc;
 and determine a meridian with the solar at the cor. of
 secs. 19, 24, 25 and 30, above described,
 Thence I run,
 North, bet. secs. 19 and 24
 Over gently rolling land, through heavy timber.
 Difference bet. measurements of 40.00 chs. by two
 sets of chainmen is 2 lks. Position of middle point
 By 1st set is 40.01 chs.
 By 2nd set is 39.99 chs.; the mean of which is
 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;
 $\frac{1}{4}$ S24 in W. and
 S19 in E. half; from which
 A cedar, 30 ins. diam., brs. N58° E., 196 lks. dist., marked
 $\frac{1}{4}$ S19 BT.
 A cedar 20 ins. diam., brs. N56 $\frac{1}{4}$ ° W., 127 lks. dist., marked
 $\frac{1}{4}$ S24 BT.
 53.00 Draw, course NW. Asc. SW. slope 75 ft.
 60.73 Foot of cliff, 20 ft. high, brs. NW. and SE.
 60.88 Top of cliff.
 61.26 Top of asc.; thence over rolling land.
 Difference bet. measurements of 80.00 chs. by two sets
 of chainmen is 4 lks. Position of middle point
 By 1st set, 79.98 chs.
 By 2nd set, 80.02 chs.; the mean of which is
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins.
 in the ground for cor. of secs. 13, 18, 19 and 24.,
 marked on brass cap, 1913;
 T26N in N. half;
 R5W S13 in NW.,
 R4W S18 in NE.,
 S19 in SW., and
 S24 in SW. quad., from which
 A cedar, 5 ins. diam., brs. N45° E., 22 lks. dist., marked
 T26N R4W S18 BT.
 A cedar, 10 ins. diam., brs. S52° E., 59 lks. dist., marked
 T26N R4W S19 BT.
 A pinion, 7 ins. diam., brs. S23 $\frac{1}{2}$ ° W., 13 lks. dist., marked
 T26N R5W S24 BT.
 A pinion, 8 ins. diam., brs. N14 $\frac{1}{2}$ ° W., 63 lks. dist., marked

1st Guide Mer. West, through Tps. 26 N. bet. Rs. 4 and 5

Chains.

T26N R5W S13 BT.
Land, rolling and hilly.
Soil, volcanic, very rocky, 4th rate.
Timber, scrub cedar and pinions.
Jan. 4, 1913.

Jan. 7, 1913. At 8 hrs. 50 m. a.m. l.m.t., I set off
35° 38½' N. on the lat. arc; 22° 21½' S. on the decl. arc;
and determine a meridian with the solar at the cor. of
secs. 13, 18, 19 and 24, above described,
Thence I run,
North, bet. secs. 13 and 18.
Over gently rolling land, through heavy timber.
Wire fence, brs. NE and SW.
Draw, course SW. Asc. SE slope 35 ft.
Top of spur, brs. NE and SW; thence along rocky, W. slope.
Difference bet. measurements of 40.00 chs. by two sets
of chainmen is 8 lks. Position of middle point
By 1st set, 40.04 chs.
By 2nd set, 39.96 chs.; the mean of which is
40.00 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap, 1913;
¼ S13 in W. and
¼ S18 in E. half; from which
A cedar, 12 ins. diam, brs. N10½° E., 40 lks. dist., marked
¼ S18 BT.
A pinion, 10 ins. diam, brs. N56° W., 13 lks. dist., marked
¼ S13 BT.
40.50 Desc. N. slope 105 ft.
44.80 Brush fence, brs. E. and W.
Draw 1 chain wide, course W.
Water hole brs. W. about 2 chs. dist.
Asc. S. slope 185 ft.
55.40 Brush fence brs. NW and SE. Asc. SE slope . . .
66.00 Asc. rocky, S. slope.
Difference bet. measurements of 80.00 chs. by two
sets of chainmen is 10 lks. Position of middle point
By 1st set, 80.05 chs.
By 2nd set, 79.95 chs., the mean of which is
80.00 Set an iron post, 3 ft. long, 3 ins. diam, 24 ins. in the
ground, for cor. of secs. 7, 12, 13 and 18, marked on
brass cap, 1913;
T26N in N half;
R5W, S12 in NW.,
R4W, S7 in NE.,
S18 in SE. and
S13 in SW. quadrant; from which
A pinion, 12 ins. diam, brs. N23° E., 223 lks. dist.,
marked T26NR4W S7 BT.
A pinion, 14 ins. diam, brs. S35½° E., 40 lks. dist., marked
T26N R4W S18 BT.
A pinion, 8 ins. diam, brs. S23¼° W., 25 lks. dist., marked
T26N R5W S13 BT.
A pinion, 10 ins. diam, brs. N76¼° W., 40 lks. dist.,
marked T26N R5W S 12 BT.
Land hilly and mountainous.
Soil, volcanic, very rocky 4th rate.
Timber and undergrowth, scrub cedar and pinion.
NOTE: At this corner, I set off 22° 21' S. on the decl. arc;
and at noon . . . I observe the sun on the meridian
the resulting lat. is 35° 39' N., which is slightly less
than the correct lat.

North, bet. secs. 7 and 12.
Over rolling land, through dense cedar timber and under-
growth.
6.00 Desc. NE slope, 50 ft.
12.00 Foot of desc. Asc. SE slope, 60 ft.
22.00 Top of asc. Thence over rolling land.
36.00 Desc. NW slope, 80 ft.
Difference bet. measurements of 40.00 chs. by two sets of
chainmen, is 5 lks.; position of middle point,
By 1st set 40.025 chs.

1st Guide Mer. West, through Tps. 26 N., bet. Rs. 4 and 5 W.

Chains.	
40.00	By 2nd set, 39.975 chs.; the mean of which is 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; $\frac{1}{4}$ S12 in W. and S7 in E. half; from which A pinion, 9 ins. ⁿ diam, brs. N. 70° E, 78 lks. dist., marked $\frac{1}{4}$ S7 BT. A cedar, 16 ins. ⁿ diam, brs. S47° W, 53 lks. dist., marked $\frac{1}{4}$ S12 BT.
41.45	Top of perpendicular precipice, 20 ft. high.
42.25	Draw, course NW. Asc. SW slope 80.00 ft.
52.00	Spur ridge, brs. E. and W.; thence over rolling land. Difference bet. measurements of 80.00 chs. by two sets of chainmen is 2 lks. Position of middle point By 1st set, 80.01 chs. By 2nd set, 79.99 chs.; the mean of which is
80.00	Set an iron post, 3 ft. long, 3 ins. ⁿ diam, 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12., marked on brass cap, 1913; T26N in N. half; R5W S1 in NW., R4W S6 in NE., S7 in SE., and S12 in SW. quad.; from which A pinion, 6 ins. ⁿ diam, brs. N. 73 $\frac{1}{2}$ ° E., 73 lks. dist., marked T26 N R4W S6 BT. A cedar, 10 ins. ⁿ diam, brs. S9° E., 32 lks. dist., marked T26N R4W S7 BT. A pinion, 12 ins. ⁿ diam, brs. S6° W., 83 lks. dist., marked T26N R5W S12 BT. A pinion 9 ins. ⁿ diam, brs. N56° W., 21 lks. dist., marked T26N R5W S1 BT. An earth dam brs. N. 20° E. Land, rolling and hilly. Soil, volcanic, very rocky, 4th rate. Timber, scrub cedar and pinion. Jan. 7, 1913.
	Jan. 8, 1913. At 8 hrs. 15 m. a.m. l.m.t., I set off 35° 40' N. on the lat. arc; 22° 12 $\frac{1}{2}$ ' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 6, 7 and 12, above described, thence I run
	North, bet. secs. 1 and 6. Over rolling land, through heavy cedar timber. Desc. NE. slope 270 ft.
.50	Top of precipice, 75 ft. high, brs N20° W and S20° E.
2.90	Foot of precipice.
4.10	Wire fence, brs. NE and SW.
8.20	Gulch, course NE. Asc. SE slope 40 ft.
14.10	Dam brs. E. about 5 chs. dist.
16.20	Brush fence, brs. E. and W.
17.00	spur ridge, brs. NE and SW. Desc. NE slope 125 ft.
19.20	Gulch 2 chs. wide, course NE. Asc. SE slope
27.25	Spur ridge, brs. NE and SW. Desc. NE slope 50 ft.
32.40	Fence of old corral, brs. NE and SW.
35.90	Fence of old corral, brs. NW and SE.
37.46	Draw, course NW.
37.55	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 10 lks. Position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is
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; $\frac{1}{4}$ S1 in W and S6 in E. half; from which A cedar, 8 ins. ⁿ diam, brs. N45 $\frac{3}{4}$ ° E., 169 lks. dist., marked $\frac{1}{4}$ S6 BT. A cedar limb, 7 ins. ⁿ diam, brs. N17 $\frac{3}{4}$ ° W., 113 lks. dist. marked $\frac{1}{4}$ S1 BT.
48.06	Draw, course SW. Asc. SW slope 140 ft.
61.80	Spur ridge, brs. E. and W. Desc. NW slope 7 ft.
66.30	Gulch, course W. Asc. SW slope 40 ft. Leave heavy timber enter scattering timber, brs. E. and W.

1st Guide Mer. West, through Tps. 26 N., bet. Rs. 4 and 5 W. 9

Chains
68.35
73.65
74.45
80.00

Leave timber, brs. E. and W.; thence across slide rock.

Leave slide rock, brs. E and W.

Spur ridge, brs. NW and SE. Desc. NW slope, 35 ft. Difference bet. measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point, By 1st set, 80.02 chs
By 2nd set, 79.98 chs.; the mean of which is

Set an iron post, 3 ft. long, 3 ins. in diam, 24 ins. in the ground, for cor. of Tps. 26 N. Rs. 4 and 5 W., marked on brass cap, 1913;
T27N; R5W S36; R4W S31 in N. and
T26N in S. half;
S6 R4W, in SE and
S1 R5W in SW. quad.; from which

A cedar, 8 ins. in diam, brs. S. 8½° E., 212 lks. dist., marked T26N R4W S6 BT.

A cedar, 10 ins. in diam, brs. S76¼° W., 81 lks. dist., marked T26N R5W S1 BT.

Land, hilly and mountainous.
soil, very rocky, 4th rate, gumbo.
Timber, scrub cedar and pinion.

Jan. 8, 1913. W.B.K.

William B. Himmel

U. S. Surveyor.

Key Street

U. S. Transitman.

1st Guide Mer. West, thru part of Tp. 27 N. Bet. Rs. 4 and 5 W

Chains.

Survey commenced Jan. 9, 1913. and executed with a Young and Sons Light Mountain Transit No. 8541 with a Smith Solar Attachment. For description of instrument and certificate of approval, see book "O", page 1

W.B.K.

Knowing from recent and repeated observations on a true meridian established by observations on Polaris, that my instrument is in adjustment, I proceed to the survey of the E. bdy. of the Tp. At the cor. of Tp. 26 N., Rs. 4 and 5 W. I set off 35° 41' N. on the lat. arc; 22° 5' S. on the decl. arc; and at 8 hrs. 5 m. a.m. l.m.t., I determine a meridian with the solar. Thence I run, North, on a random line, along the E. bdy. of Tp. 27 N. R5W, setting temp. 1/4 sec. and sec. cors. at intervals of 40 chs., and at 389.14 chs., the cor. of secs. 1, 6, 7 and 12, which is a limestone 10X9X7 ins. above ground, marked and witnessed as described by the Surveyor General, brs. W. 12.03 chs. dist. Jan. 9, 1913.

Jan. 11, 1913. At 8 hrs. 53 m. a.m. l.m.t., I set off 35° 45 1/2' N. on the lat. arc; 21° 47 1/2' S. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 1, 6, 7 and 12, above described,

Thence I run, South, on a true line, bet. secs. 7 and 12. Over level land, through scattering undergrowth. Difference bet. measurements of 29.14 chs. by two sets of chainmen, is 2 lks. Position of middle point

29.14

By 1st set, 29.15 chs.
By 2nd set, 29.13 chs., the mean of which is 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; S12 in W. and, S7 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. Difference bet. measurements of 69.14 chs. by two sets of chainmen is 4 lks. Position of middle point

69.14

By 1st set, 69.16 chs.
By 2nd set, 69.12 chs. the mean of which is Set an iron post, 3 ft. long, 3 ins. diam, 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked on brass cap, 1913; T27N in N. half; R5W S12 in NW., R4W S7 in NE., S18 in SE., and S13 in SW. quadrant;

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

Land, level.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood.

Jan. 11, 1913.

Jan. 12, 1913, At 9 hrs. 25 m. a.m., l.m.t., I set off 35° 44 1/2' N. on the lat. arc; 21° 38' S. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp.

Thence I run South, bet. secs. 13 and 18. Over level land, through scattering undergrowth.

32.25

Road, brs. NW. and SE. Difference bet. measurements of 40 chs. by two sets of chainmen is 2 lks. Position of middle point

40.00

By 1st set, 40.01 chs.
By 2nd set, 39.99 chs., the mean of which is Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in

1st Guide Mer. W., thru part of T. 27 N. bet. Rs. 4 and 5 W.

Chains.

the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913;
 $\frac{1}{4}$ S13 in W. and
 $\frac{1}{4}$ S18 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.*
 Asc. NE. slope 35 ft.
 Enter scattering timber, brs. NW. and SE.
 Top of asc.
 Desc. SE. slope, 20 ft.
 Draw, course NE. Asc. NE. slope 50 ft.
 Spur ridge, brs. NW. and SE.
 Desc. S. slope, 60 ft.
 Leave timber, brs. E. and W.
 Foot of desc. ; thence over rolling land.
 Difference bet. measurements of 80 chs. by two sets of
 chainmen is 6 lks. Position of middle point
 By 1st set, 80.03 chs.
 By 2nd set, 79.97 chs. the mean of which is
 80.00 Set an iron post, 3 ft. long, 3 ins. ⁱⁿdiam, 24 ins. in
 the ground, for cor. of secs. 13, 18, 19 and 24,
 marked on brass cap, 1913;
 T27N in N.,
 R5W S13 in NW.,
 R4W S18 in NE.,
 S19 in SE., and
 S24 in SW. quadrant, from which
 A cedar, 30 ins. ⁱⁿdiam, brs. S. 12° W., 335 lks. dist.,
 marked T27N R5W S24 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, sandy loam, 2nd rate, and rocky 4th rate.
 Timber, scrub cedar and pinion.
 Undergrowth, greasewood.

NOTE: - At this corner, I set off $21^{\circ} 37\frac{1}{2}'$ S, on the decl. arc,
 and at noon, I observe the
 sun on the meridian. The resulting lat. is $43^{\circ} 43\frac{1}{2}'$ N.,
 which is slightly less than the correct lat.

South, bet. secs. 19 and 24.
 Over rolling land, through scattering undergrowth.
 Enter scattering timber, brs. NW. and SE.
 Difference bet. measurements of 40 chs. by two sets of
 chainmen is 3 lks. Position of middle point
 By 1st set, 40.015 chs.
 By 2nd set, 39.985 chs. the mean of which is
 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;
 $\frac{1}{4}$ S24 in W. and
 $\frac{1}{4}$ S19 in E. half; from which
 A pinion, 8 ins. ⁱⁿdiam brs. S. $6\frac{1}{4}^{\circ}$ E., 320 lks. dist.,
 marked $\frac{1}{4}$ S19 BT.
 A pinion, 15 ins. ⁱⁿdiam, brs. N. 41° W., 187 lks. dist.,
 marked $\frac{1}{4}$ S24 BT.
 Enter heavy timber, brs. E. and W.
 Draw, course E. *(Difference bet. measurements of 80.00 chs. by two sets of chainmen is*
 4 lks. Position of middle point By 1st set 80.02 By 2nd set 79.98 chs. the mean
 80.00 Set an iron post, 3 ft. long, 3 ins. ⁱⁿdiam, 24 ins. in *of which is*
 the ground, for cor. of secs. 19, 24, 25 and 30,
 marked on brass cap, 1913;
 T27N in N. half;
 R5W S24 in NW.,
 R4W S19 in NE.,
 S30 in SE and
 S25 in SW. quadrant; from which
 A cedar, 15 ins. ⁱⁿdiam, brs. N. $26\frac{1}{2}^{\circ}$ E., 30 lks. dist.,
 marked T27N R4W S19 BT.
 A cedar, 24 ins. ⁱⁿdiam, brs. S. 75° E., 92 lks. dist.,
 marked T27N R4W S30 BT.
 A cedar, 15 ins. ⁱⁿdiam, brs. S. 10° W., 72 lks. dist.,
 marked T27N R5W S25 BT.
 A cedar, 20 ins. ⁱⁿdiam, brs. N. $36\frac{1}{2}^{\circ}$ W., 65 lks. dist., ma
 marked T27N R5W S24 BT.

1st Guide Mer. West, thru part of T_p 27 N., bet. R_s. 4 & 5 W.

Chains. Land, level and rolling.
Soil, volcanic, very rocky, 4th rate.
Timber, scrub cedar and pinion.
Undergrowth, greasewood.
Jan. 12, 1913.

Jan. 13, 1913. At 8hrs. 48m. p.m., l.m.t., I set off
35°42½' N. on the lat. arc; 21°28'S. on the decl. arc,
and determine a meridian with the solar at the cor. of
secs. 19, 24, 25 and 30, above described,
Thence I run;
South, bet. secs. 25 and 30.
Over rolling land, through heavy timber.

3.25 Draw, course E.
14.60 Draw, course NE.
16.00 Asc. NE. slope, 75 ft.
27.90 Spur ridge, brs. E. and W. Desc. SE slope, 45 ft.
32.75 Gulch, course NE. Asc. NW slope, 135 ft.
37.80 Spur ridge, brs. NE. and SW. Continue asc.
Difference bet. measurements of 40.00 chs. by two sets
of chainmen is 4 lks.; position of middle point
By 1st set, 40.02 chs.
By 2nd set, 39.98 chs.; the mean of which is

40.00 Set an iron post, 3 ft. long, 1 in. diam, 26 ins. in
the ground, for ¼ sec. cor., marked on brass cap, 1913;
¼ S25 in W. and
S30 in E. half; from which
A cedar limb, 5 ins. diam, brs. N. 76½° E., 64 lks. dist.,
marked ¼ S30 BT.
A cedar, 10 ins. diam, brs. S. 29° W., 65 lks. dist.,
marked ¼ S25 BT.
A tank brs. N. 82° E. about 30 chs. dist.

52.22 Tank brs. N. 67¼° E.
Spur ridge, brs. E. and W. Desc. SE slope, 140 ft.
67.70 Gulch, course NE. Asc. NW. slope, 75 ft.
72.95 Spur ridge, brs. NE. and SW. Desc. S. slope 65 ft.
Difference bet. measurements of 80.00 chs. by two sets of
chainmen is 6 lks.; position of middle point
By 1st set, 80.03 chs.
By 2nd set, 79.97 chs.; the mean of which is

80.00 Set an iron post, 3 ft. long, 3 ins. diam, 24 ins. in
the ground, for cor. of secs. 25, 30, 31 and 36,
marked on brass cap, 1913;
T27N in N. half;
R5W S25 in NW.,
R4W S30 in NE.,
S31 in SE, and
S36 in SW. quadrant; from which
A cedar, 9 ins. diam, brs. N. 32° E., 29 lks. dist.,
marked T27N R4W S30 BT.
A pinion, 10 ins. diam, brs. S. 58° E., 68 lks. dist.,
marked T27N R4W S31 BT.
A pinion, 10 ins. diam, brs. S. 23½° W., 74 lks. dist.,
marked T27N R5W S30 BT.
A pinion, 9 ins. diam, brs. N. 40½° W., 36 lks. dist.,
marked T27N R5W S25 BT.
Land, rolling and hilly.
Soil, volcanic, very rocky 4th rate.
Timber, scrub cedar and pinion.
Heavily timbered land, 80.00 chs.

At the cor. of secs. 25, 30, 31 and 36, I set off 21°
27½'S. on the decl. arc, and at noon
— I observe the sun on the meridian. The resulting
lat. is 35°42' N. which is slightly higher than the
correct lat.
South, bet. secs. 31 and 36.
Desc. S. slope, 80 ft. through heavy timber.

99.97 Draw, course E.
20.05 Wash, 3 lks. wide, 2 ft. deep, course E.
32.00 Asc. NE. slope 60 ft.

1st Guide Mer. West, thru part of Tp. 27 N., bet. Rs. 4 and 5 W.

Chains	Difference bet. measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point By 1st set, 40.02 chs. By 2nd set, 39.98 chs.; the mean of which is
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; $\frac{1}{4}$ S36 in W. and S31 in E. half; from which A cedar, 5 ins. diam, brs. S.49° E., 35 lks. dist., marked $\frac{1}{4}$ S31 BT. A cedar, 14 ins. diam, brs N.23° W., 9 lks. dist, marked $\frac{1}{4}$ S36 BT.
41.00	Enter scattering timber, brs. E. and W.
52.00	Spur ridge, brs. NE. and S.W.
54.00	Descend broken SE. slope, 40 ff.
74.00	Foot of descent, thence over rolling land. <i>Difference bet. measurements of 80.00 chs. by two sets of chainmen is 8 lks.; position of middle point, By 1st set, 79.96 chs. By 2nd set, 80.04 chs. the mean of which is</i>
80.00	Intersect N. bdy. of T.26N., R.5 W. 11.94 chs. W. of the cor. of Tps. 26 N., Rs. 4 and 5 W., recently established by me as hereinbefore described on page 9. At the point of intersection, I set an iron post, 3 ft. long, 3 ins. diam, 24 ins. in the ground, for cor. of Tps. 27 N., Rs. 4 and 5 W., marked on brass cap, 1913; T27N in N., and S1, R5W, S6, R4W, T26N in S. half; R5W, S36 in NW., and R4W S31 in NE. quadrant; from which A cedar, 5 ins. diam, N.50° E., 211 lks. dist., marked T27N R4W S31 BT. A cedar, 6 ins. diam, brs. N.38° W., 65 lks. dist., marked T27N R5W S36 BT. Land, rolling and hilly. Soil, volcanic, very rocky, 4th rate. Timber, scrub cedar and pinion.

W.B.K.
Jan. 13, 1913.

William B. Kimmel,

U. S. Surveyor

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability,
H. N. BRADSTREET, U.S. Transitman
 and *WILLIAM B. KIMMEL*, U. S. Surveyor, during the periods and in the capacities

stated opposite our several signatures, in surveying all those parts or portions of *the First*
Guide Meridian West through Townships 23, 26 and 27 North,
between Ranges 4 and 5 West

of the *Gila and Salt River Base and* Meridian, in the State of *Arizona*

which are represented in the foregoing field notes as having been executed by ~~us~~ ^{them}, and under ~~his~~ ^{their} direc-
 tion; and that said survey has been, in all respects, to the best of our knowledge and belief, well and
 faithfully executed.

NAME	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
<i>as. R. Le Gros</i>	Nov. 29, 1912.	Dec. 31, 1912.	Axman
<i>John T. Carmody</i>	Nov. 29, 1912.	Jan. 31, 1913.	Axman
<i>J. J. Tavernier</i>	Nov. 29, 1912.	Jan. 31, 1913.	Chainman
<i>B. E. Gilpin</i>	Nov. 29, 1912.	Jan. 31, 1913.	Chainman
<i>Leavitt</i>	Nov. 29, 1912.	Feb. 7, 1913.	Moundman
<i>Alonzo W. Whitlock</i>	Nov. 29, 1912.	Feb. 13, 1913.	Flagman
<i>William J. Clark</i>	Feb. 19, 1913.	March 15, 1913.	Axman
<i>Charles R. Smith</i>	Dec. 6, 1912.	March 16, 1913.	Flagman
<i>Joseph H. Fadden</i>	Feb. 11, 1913.	March 16, 1913.	Moundman
<i>Heath Leberer</i>	Nov. 27, 1912.	March 23, 1913.	Chainman
<i>Urrin R. Bickus</i>	Feb. 18, 1913.	March 28, 1913.	Axman, Flagman, Chainman
<i>Ervin M. Fife</i>	March 18, 1913.	March 28, 1913.	Moundman
<i>Earl L. Limkin</i>	Jan. 2, 1913.	March 28, 1913.	Axman, Chainman
<i>Harvey F. Butler</i>	Feb. 2, 1913.	March 28, 1913.	Flagman, Moundman, Chainman
<i>Clifford H. Henny</i>	Feb. 6, 1913.	March 28, 1913.	Axman, Flagman, Chainman.

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

William B. Kimmel.
 U. S. Surveyor.

16

FINAL OATH OF UNITED STATES SURVEYOR and TRANSITMAN.

We, H.N. BRADSTREET, U.S. Transitman and WILLIAM B. KIMMEL, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona For Group 24 bearing date of the 18th day of October, 1912, we have well, faithfully, and truly, in our own proper persons 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 the First Guide Meridian West through Townships 23, 26 and 27 North, between Ranges 4 and 5 West

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by us, and under our direction; and we 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 Arizona for Group 24 and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

William B. Kimmel

U. S. Surveyor.

H.N. Bradstreet

U.S. TRANSITMAN.

Subscribed by said H.N. Bradstreet and sworn to before me this 4th day of October, 1913

Frank Lygall

SURVEYOR-GENERAL OF ARIZONA



Subscribed by said William B. Kimmel, U.S. Surveyor, this 21 day of July, 1914.

APPROVAL.

Franklin L. Torrance

U. S. Commissioner District of Arizona.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona OCT 5 1914

The foregoing field notes of the survey of the

First Guide Meridian West through Townships 23, 26 and part of 27 North of the Gila and Salt River Base and Meridian in the State of Arizona.

executed by H.N. BRADSTREET, U.S. Transitman

executed by and WILLIAM B. KIMMEL, U.S. Surveyor

under his special instructions dated October 18, 1912 for Group 24, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

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.