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4-679

Book "F"

BOOK 2771

(1)

Subdivisions  
**FIELD NOTES**

OF THE SURVEY OF THE

PART OF THE

SUBDIVISION LINES OF

TOWNSHIP 5 SOUTH RANGE 28 EAST

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

WILLIAM B. KIMMEL

In the capacity of U. S. Surveyor, under instructions dated August 25, 1910,  
issued by the United States Surveyor General to govern surveys included in  
Group No. 26, which were approved by the Commissioner of the General Land  
Office, September 9, 1910, pursuant to authority contained in the Act of  
Congress dated June 23, 1913

Survey commenced December 5, 1913

Survey completed December 6, 1913

34  
1A

# Book "F"

BOOK 2771

## INDEX DIAGRAM.

Township 5 South, Range 28 East

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First Standard Parallel South

6-151

- Notes in Book "A", this Group
- " " " "B" " "
- Surveyed
- - - - - Unsurveyed

Partial Subdivisions of Township 5 South, Range 28 East

Chains.

Survey commenced Dec. 5, 1913, and executed with Young and Sons' Light Mountain Transit, No. 8541, with Smith Solar Attachment. For description of instrument, and Certificate of Approval, see Book "A."

Knowing from recent and repeated tests of my instrument on a meridian established by observations on Polaris that it is in correct adjustment, I proceed to the subdivision of part of T. 5 S., R. 28 E.

At 8h. 50m. a.m., l.m.t., I set off 33° 1' N. on the lat. arc; 22° 20' S. on the decl. arc; and determine a meridian with the solar at the point for cor. of secs. 1, 6, 7 and 12, lat. 33° 00' 33" N., long. 109° 24° 32" W.

It being impossible to chain west from the witness cor., or the true point for cor. of secs. 1, 6, 7 and 12, I set a flag 15.00 chs. north, and one 18.25 chs. south of the true point for the cor. of secs. 1, 6, 7 and 12. Then I set my instrument on a rocky point, slopes SE., as near the line bet. secs. 1 and 12, as I could get, and at 8h. 58m. a.m., l.m.t., I set off 33° 1' N. on the lat. arc; 22° 20' S. on the decl. arc; and determine with the solar a meridian; the N. flag bears N. 45° 37' E., and the S. flag bears S. 37° 03' E., making the dist. of instrument point,

$\sin 97^{\circ} 20' : 33.25 \text{ chs.} :: \sin 45^{\circ} 37' : x$  or  $7.1468 \times 33.25 = 23.96$  chs. from the S. flag, or,  $\sin 37^{\circ} 03' \times 23.96 = .60251 \times 23.96 = 14.44$  chs. W. and  $\cos 37^{\circ} 03' \times 23.96 = .79811 \times 23.96 = 19.12$  chs. N. of the flag that is 18.25 chs. S. of the true point for cor. of secs. 1, 6, 7 and 12.

14.44 Instrument point 87 lks. N. of true line; thence west on offset line, by stadia, rod reading 4.598 ft., ratio, 1 ft. = 2.00 chs., focal constant 1.025 ft., angle of depression  $-16^{\circ} 26'$ ; then the dist. is  $4.598 \times 2 \times .9200 + .016 = 8.48$  chs., which added to 14.44 = 22.92 chs.

22.92 Rod point, continue west on offset line along steep rocky S. slope.

25.70 Canyon, course SE. Continue on offset line along steep rocky N. slope, S. side of canyon.

37.00 Offset south, to true line, 87 links. Thence I run,

West, on true line, bet. secs. 1 and 12, through dense undergrowth and scattering timber along north slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap, 1913 on S. rim;  $\frac{1}{4}$  S 1 in N., and S 12 in S. half;

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

45.55 Leave canyon; ascend east slope, 720 ft..

53.60 Spur ridge, brs. SE.

54.60 Draw, course SE. Ascend NE. slope.

63.20 Foot of cliff, brs. NW. and SE., 40 ft. high.

63.60 Top of cliff, ascend east slope.

74.70 End of ascent; along north slope.

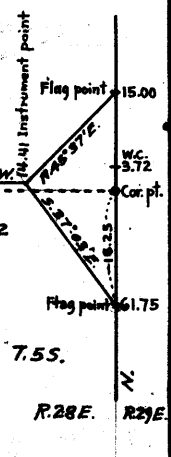
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap,

1913 on S. rim, T 5 S R 28 E in N. half; S 2 in NW, S 1 in NE, S 12 in SE, and S 11 in SW. quadrant; and raise a mound of

stone 2 ft. base,  $1\frac{1}{2}$  ft. high, west of cor. Pits impracticable.

Note: At this corner, I set off  $22^{\circ} 21\frac{1}{2}'$  S. on the decl. arc, and at noon I observe the sun on the meridian; the resulting lat. is  $33^{\circ} 1' N.$

Land, mountainous.



## 2. Partial S. division of Township 5 South, Range 28 East.

Chains.

Soil, rocky, 4th rate.  
 Timber, none, except sycamore and willow in canyon on east half mile.  
 Undergrowth, catclaw, mesquite, scrub oak and cacti.

40.00 N.0°1'W., on a random line, bet. secs.1 and 2.  
 80.04 Set temp.  $\frac{1}{4}$  sec. cor.  
 Intersect north bdy. of Tp., 23 lks. west of the cor. of secs. 1, 2, 35 and 36, established by me, as described in Book "A."  
 Thence I run,  
 S.0°09'W., on a true line, bet. secs. 1 and 2.  
 Descend steep south slope on ridge, 200 ft., through dense undergrowth.  
 7.40 Canyon, 1 ch. wide, course east. Ascend NW. slope, 565 ft.  
 37.45 Ridge, brs. NE and SW. Descend S. slope, 20 ft.  
 40.04 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 on S. rim,  
 $\frac{1}{4}$  S 2 in W., and  
 S 1 in E. half;  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, west of corner. Pits impracticable.  
 Ascend NE. slope, 30 ft.  
 43.05 Ridge, brs. NW and SE. Descend SW. slope, 240 ft.  
 52.00 Canyon, course SE. Ascend NE. slope, 30 ft.  
 56.00 Spur ridge, brs. SE. Descend SE. slope, 90 ft.  
 63.65 Gulch, course E. Ascend N. slope, 550 ft.  
 69.50 Spur brs. NE.  
 70.50 Head of wash, course NE.  
 78.00 Ascend steep N. slope.  
 80.04 The cor. of secs. 1, 2, 11 and 12.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 No timber, except cottonwood along canyon.  
 Undergrowth, mesquite, catclaw and cacti.  
 Dec. 5, 1913.

Dec. 6, 1913: At 8h. 3m., a.m., l.m.t., I set off 33°1'N. on the lat. arc; 22°25 $\frac{1}{2}$ 'S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 11 and 12, hereinbefore described.  
 Thence I run,  
 West, on a true line, bet. secs. 2 and 11.  
 Along north side of ridge, brs. E. and W., through scattering timber and undergrowth.  
 2.00 Descend NW. slope, 160 ft.  
 12.10 Gulch, course N. Ascend NE. slope, 85 ft.  
 15.65 Spur ridge, brs. N. Descend NW. slope, 70 ft.  
 19.30 Gulch, course N.; ascend NE. slope, 550 ft.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 1913 on S. rim,  
 $\frac{1}{4}$  S 2 in N., and  
 S 11 in S. half; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, north of cor. Pits impracticable.  
 41.00 Head of canyon, course NE. Ascend E. slope.  
 61.50 End of ascent. Top of conical hill; descend NW. slope, 250 ft.  
 77.00 Gulch, course NW. Thence along north slope.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked on brass cap,  
 1913 on S. rim,

Partial Subdivision of Township 5 South, Range 28 East

Chains.

T 5 S R 28 E in N. half;  
 S 3 in NW.,  
 S 2 in NE.,  
 S 11 in SE., and  
 S 10 in SW. quadrant; from which,  
 A cedar, 8 ins., in diam. brs. N. 58° E., 17 lks. dist.,  
 marked T 5 S R 28 E S 2 B T.  
 A cedar, 6 ins. in diam., brs. S. 60° E., 77 lks.  
 dist., marked T 5 S R 28 E S 11 B T.  
 A cedar, 6 ins. in diam., brs. S. 21° W., 73 lks.  
 dist., marked T 5 S R 28 E S 10 B T.  
 A cedar, 6 ins. in diam., brs. N. 78° W., 55 lks.  
 dist., marked T 5 S R 28 E S 3 B T.

Note: At this corner, I set off 22° 29' S. on the decl. arc  
 and observe the sun on the meridian at noon; the re-  
 sulting lat. is 33° 1' N.

Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, scattering cedar.  
 Undergrowth, scattering mesquite, catclaw, and cacti.

40.00  
 80.01

N. 0° 1' E., on a random line, bet. secs. 2 and 3.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 Intersect N. bdy. of Tp., 26 lks. west of the cor. of secs.  
 2, 3, 34 and 35, established by me, as described in  
 Book "A."  
 Thence I run,  
 S. 0° 10' W., on a true line, bet. secs. 2 and 3.  
 Descend S. slope, 100 ft., through scattering timber  
 and dense undergrowth.

4. Partial  
 Subdivision of Township 5 South, Range 28 East

Chains	
4.50	Canyon, course E. Asc. NE. slope, 300 ft.
15.25	Rocky spur ridge, brs. SE. Desc. SE. slope, 350 ft.
24.00	Bottom of deep canyon, course EE. Asc. N. slope, 350 ft.
32.90	Rocky spur ridge, brs. E. and W. Desc. broken SE. slope, 400 ft.
40.01	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap; 1913 on S. rim, $\frac{1}{2}$ S3 in W. and $\frac{1}{2}$ S2 in E. half; ; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
50.00	Gulch, course, E. r. E. and W. Asc. NW. slope, 300 ft.
50.17	Rock fence brs. E. and W. on W. side of orchard.
50.92	W. end of Gus Wehe House Brs. E. 10 lks. dist. Chicken house bears West, 70 lks.
51.32	Chicken fence, brs. NW. and SE. Goat corral 2 chs. W.
51.41	Wire fence brs. E. and W
51.25	Gulch, course W.
70.70	Thence along W. slope.
72.70	Desc. SW. slope, 20 ft.
75.00	Gulch, course NW. Ascend N. slope 200 ft.
80.01	The cor. of secs. 2, 3, 10 and 11. Land, hilly and mountainous. Soil, rocky 4th rate. Timber, cotton wood and willow in gulch at Wehe's house. Scattering cedar rest of mile. Undergrowth, dense scrub oak, mesquite and catclaw. Dec. 6, 1913.

General Description.

This township is very mountainous, the soil is mostly gumbo and rocks, 4th rate, with small strips of sandy loam in the gulches, 1st and 2nd rate. Scattering cottonwood, sycamore, willows and walnut in gulches also scattering cedar and juniper on mountains. There are two settlers in sec. 2 and one in sec. 1.

*William B. Himmel.*  
 U.S. Surveyor.

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

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance  
of special instructions received from the U. S. Surveyor General for \_\_\_\_\_  
bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and truly,  
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying  
Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_  
Meridian, in the State of \_\_\_\_\_, which are represented in  
the foregoing field notes as having been executed by me, and under my direction; and I do further  
solemnly swear that all the corners of said survey have been established and perpetuated in strict 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 June 19 \_\_\_\_\_, 191 5

The foregoing field notes of the survey of Part of the \_\_\_\_\_  
Subdivision Lines of \_\_\_\_\_  
Township No.5 South Range No.28 East of the \_\_\_\_\_  
Gila and Salt River Base and Meridian \_\_\_\_\_  
in the State of Arizona \_\_\_\_\_

executed by William B. Kimmel U.S.Surveyor  
under his special instructions dated August 25 1910 for Group 26 \_\_\_\_\_, ~~191~~ \_\_\_\_\_, having been  
critically examined, and the necessary corrections and explanations made, the said field notes, and the  
surveys they describe, are hereby approved.

*Frank 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.~~