

2718

4-679

Book "F"

BOOK 2718

135
orig. (1)

SEP 2-1914

Subdivisions
FIELD NOTES

OF THE SURVEY OF THE

PART OF THE

Subdivision lines of

Township 10 South Range 24 East

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Thomas B. Matthews,

In the capacity of U. S. Surveyor, under instructions dated September 24, 1912, issued by the United States Surveyor General to govern surveys included in Group No. 22, which were approved by the Commissioner of the General Land Office, October 3, 1912, pursuant to authority contained in the Act of Congress dated August 23, 1912.

Survey commenced April 23, 1913

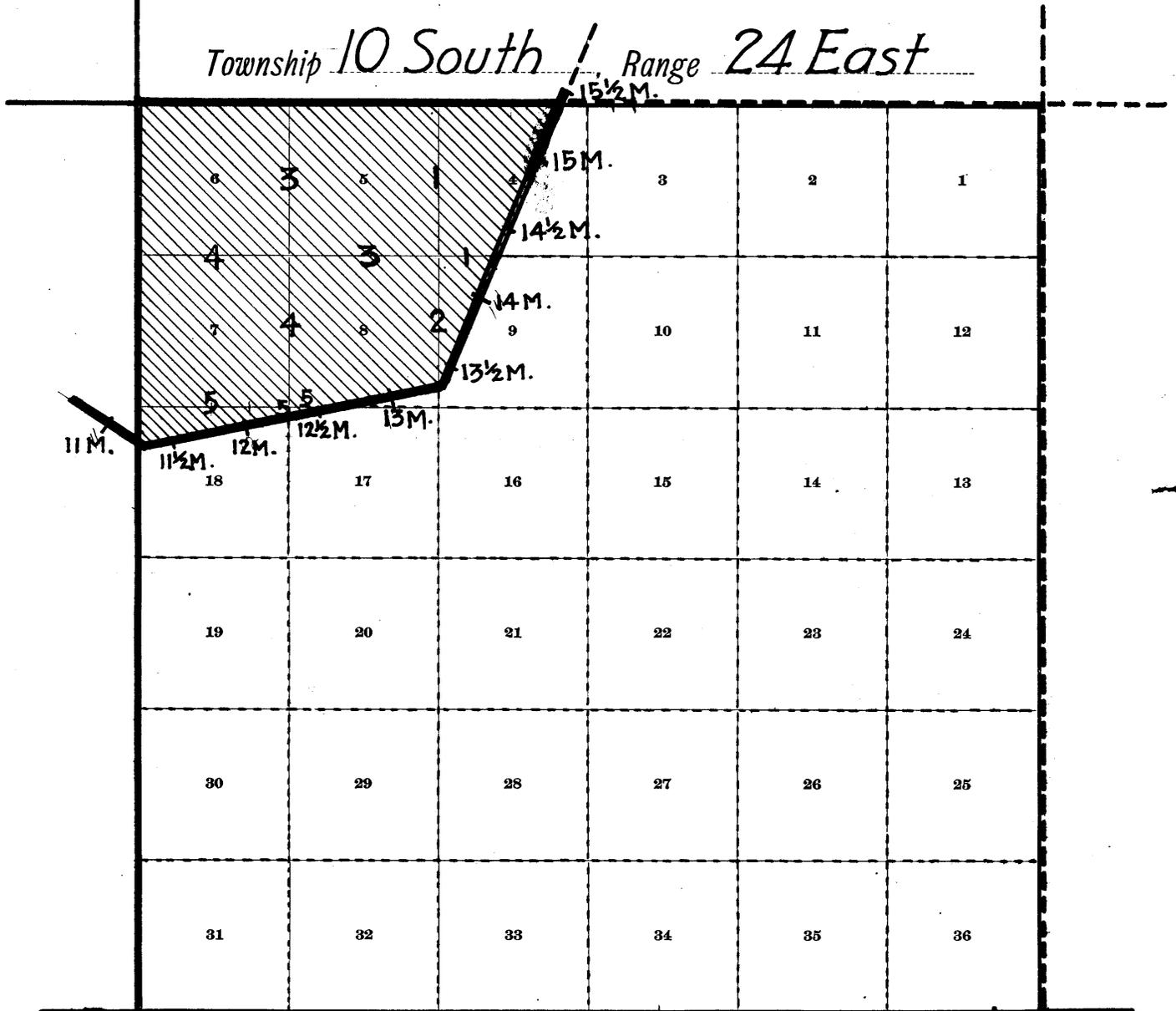
Survey completed April 24, 1913

1A

BOOK 2718

INDEX DIAGRAM.

Township 10 South / Range 24 East



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- Notes in Book "A"
- " " " "C"
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Hatched portion of diagram indicates Subdivisions surveyed under this group

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----- Unsurveyed Lines

Subdivision of part of Township 10 South, Range 24 East.

1.5

Chains.

Survey commenced April 23, 1913, and executed by Thomas B. Matthews, U.S. Surveyor, with Young and Sons' light Mountain transit No. 8480, previously descri^{ed} in Bks. A, B & C. I examine the adjustments of the transit, and find them to be correct, and know from recent tests of the solar apparatus, by comparing its indications resulting from solar observations made during a. m. and p. m. hours, with a meridian established by observation on Polaris at elongation, that the instrument is in satisfactory adjustment.

At 7h.30m., a.m., l.m.t., I set off 12° 29' N. on decl. arc; 32° 35' on lat. arc, and determine a meridian with the solar at the cor. of secs. 4, 5, 32 and 33 on north bdy. of the township previously established by me, and described in Book "D."

The magnetic bearing of the meridian thus established is N. 12° 55' W., the angle thus determined gives the magnetic decl. 12° 55' E.

Thence I run,
 S. 0° 02' E., bet. secs. 4 and 5.
 Over rolling land, through mesquite brush, 3 to 5 ft. high.

6.00 Dry rocky wash, 50 lks. wide, 6 ft. deep, course S. 60° W.
 9.00 Wagon road, brs. N. 30° E., and S. 30° W.
 12.00 Dry wash, 10 lks. wide, 1 ft. deep, course S. 30° W.
 14.00 Wagon road, brs. N. 30° E.; and S. 30° W.
 16.00 Dry wash, 50 lks. wide, 15 ft. deep, course S. 30° W.
 29.00 Dry rocky wash, 30 lks. wide, 2 ft. deep, course S. 30° W.
 32.00 Dry rocky wash, 1 ch. wide, 15 ft. deep, course S. 30° W.
 35.00 Dry rocky wash, 50 lks. wide, 2 ft. deep, course S. 30° W.
 39.00 Wagon road, brs. N. 30° E. and S. 30° W.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap, marked,
 S 5 in W.,
 S 4 in E., and
 1913 in S. half;
 raise a mound of stone 3 ft. base, 3 ft. high, west of cor. Pits impracticable.

41.00 Dry wash, 25 lks. wide, 2 ft. deep, course S. 30° W.
 72.00 Wagon road, brs. N. 30° W., and S. 30° E.
 78.00 Dry rocky wash, 1 ch. wide, 15 ft. deep, course SW.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, with a brass cap, marked,
 T 10 S R 24 E in N., and
 1913 in S. half;
 S 5 in NW.,
 S 4 in NE.,
 S 9 in SE., and
 S 8 in SW. quadrant;
 raise a mound of stone 3 ft. base, 3 ft. high, west of cor. Pits impracticable.

Land, rolling.
 Soil, thin and rocky.
 Scattering grass, mesquite brush, 3 to 5 ft. high.
 No timber.

April 23rd, 1913.

July 14th, 1914: From the cor. of secs. 4, 5, 8 and 9, above described, I run,
 East, on true line, bet. secs. 4 and 9.
 Over rolling, rocky land, through scattering mesquite brush 3 to 4 ft. high.

1.50 Wagon road, brs. NE. and SW., thence along S. side of wagon road.
 20.00 Base of low rocky ridge, brs. N. and S.; ascend rocky west

2. Subdivision of Part of Township 10 South, Range 24 East.

Chains.

- slope, 50 ft.
- 25.00 Summit of ridge, brs. N. and S.; thence descend rocky E. slope, 50 ft.
- 32.32 Intersect east bdy. of Ft. Grant Military Reservation, 24.55 chs. N. $22^{\circ}30'$ E. of 14th mile cor., previously established by me, and described in Book "A."
- At the above described point of intersection, I set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 4 and 9, with a brass cap, marked
- C C E. of center,
T 10 S R 24 E in N., and
1913 in S. half;
S 4 in NW., and
S 9 in SW. sectors. Pits impracticable.
- Raise a mound of stone 3 ft. base, 3 ft. high, west of cor. Land, rolling.
Soil, thin and rocky. Good grass.
Scattering mesquite brush, 3 to 4 ft. high.
No timber.
- July 14th, 1914.
-
- April 23, 1913:
From the cor. of secs. 4, 5, 8 and 9, hereinbefore described, I run,
S. $0^{\circ}02'$ E., bet. secs. 8 and 9.
Over rolling rocky land, through mesquite brush 3 to 4 ft. high.
- .40 Wagon road, brs. N. 60° W. and S. 60° E.
- 4.00 Dry rocky wash, 50 lks. wide, 15 ft. deep, course S. 30° W.
- 11.00 Dry rocky wash, 50 lks. wide, 15 ft. deep, course N. 30° W.
Thence ascend NW. slope of rocky butte, 300 ft.
- 25.00 Top of spur slopes west; thence descend along SE. slope.
- 29.00 Rocky gulch, 1 ch. wide, 30 ft. deep, course west; ascend along NW. slope, 200 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., with a brass cap, marked
- $\frac{1}{4}$ S 8 in W.,
S 9 in E., and
1913 in S. half;
pits impracticable. Raise a mound of stone 3 ft. base, 3 ft. high, west of cor.
- 40.25 Summit of spur slopes west. Summit of butte bears east. 4 chs. dist; thence descend Sth slope 400 ft.
- 56.00 Foot of butte, brs. E. and W., dry wash, 10 lks. wide, course west.
- 60.00 Dry wash, 25 lks. wide, 3 ft. deep, course west.
- 71.00 Dry wash, 15 lks. wide, 6 ft. deep, course west.
- 72.36 Intersect south bdy. of Ft. Grant Military Reservation 218 lks. S. $78^{\circ}36'$ W. of SE. cor. of Reservation, reestablished by me, as described in Book "A."
- At the above described point of intersection I set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 8 and 9, with a brass cap, marked
- C C S of center,
T 10 S R 24 E in N., and
1913 in S. half;
S 8 in NW., and
S 9 in NE. quadrant;
- dig pits 24x18x12 ins. crosswise on each line, E. and W. 3 ft., and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, north of cor. Land, rolling and mountainous.
Soil, from 0 to 60 chs. rocky, from 60 to S. end of line loose red sandy loam, 12 to 18 ins. deep on clay subsoil.
Good grass, scattering yuccas 4 to 8 ft. high, on S. end of mile.
No timber.

Chains

At the cor. of secs. 5, 6, 31 and 32 on north bdy. of Tp., previously established by me, and described in Book "D," I set off 12° 32' on the decl. arc; and at 12h. 1m. 38secs. p.m., l.m.t., observe the sun on the meridian, and obtain a reading of 32° 35½' on the lat. arc;

Thence I run,
S. 0° 03' E, bet. secs. 5 and 6.
Over rolling land, through mesquite brush, 3 to 5 ft. high.

1.00 Dry wash, 50 lks. wide, 10 ft. deep, course S. 60° W.
19.00 Dry wash, 25 lks. wide, 3 ft. deep, course S. 70° W.
27.00 Dry sandy wash, 2 chs. wide, course S. 60° W.
34.50 Wagon road, brs. E and W.
35.00 Dry wash, 15 lks. wide, 1 ft. deep, course N. 60° W.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked
 ½ S 6 in W.,
 S 5 in E., and
 1913 in S. half;
dig pits 18x18x12 ins., N. and S. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.

52.00 Dry sandy wash, 2 chs. wide, 3 ft. deep, course west.
54.75 Wagon road, brs. E and W.
65.00 Dry sandy wash, 1 ch. wide, 3 ft. deep, course west.
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, with a brass cap marked,
 T 10 S R 24 E in N., and
 1913 in S. half;
 S 6 in NW.,
 S 5 in NE.,
 S 8 in SE., and
 S 7 in SW. quadrant;
dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.

Land, level and rolling.
Soil, loose, red sandy loam, 12 to 18 ins. deep on clay subsoil.
Good gramma-grass, scattering mesquite brush and yuccas, 3 to 7 ft. high.
No timber.

Thence I run,
East, on random line, bet. secs. 5 and 8.

40.00 Set temp. ¼ sec. cor.
79.92 Fall 26 lks. south of cor. of secs. 4, 5, 8 and 9, hereinbefore described.

Thence I run,
S. 89° 49' W., on true line, bet. secs. 5 and 8.
Descending gentle west slope, over rolling land, through mesquite brush and scattering yuccas, 3 to 7 ft. high.

39.96 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked
 ½ S 5 in N., and
 S 8 1913 in S. half;
dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.

49.00 Wagon road, brs. N. 30° W., and S. 30° E.
71.00 Wagon road brs. N. 30° W. and S. 30° E.
79.92 The cor. of secs. 5, 6, 7 and 8, hereinbefore described.
Land, rolling and level.
Soil, loose, red sandy loam, 12 to 18 ins. deep on clay subsoil; scattering loose rock at east end of line.
Good gramma-grass, mesquite brush 3 to 4 ft. high, and scattering yuccas 4 to 7 ft. high.
No timber.

Subdivision of part of Township 10 South Range 24 East.

Chains.

Thence I run,
West, on random line, bet. secs. 6 and 7.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.55 Intersect west bdy. of Tp. at the cor. of secs. 1, 6, 7 and
12, previously reestablished by me, and described in
Book "C."
Thence I run,
East, on a true line, bet. secs. 6 and 7.
Over level land, through scattering yuccas, 4 to 8 ft.
high.
18.50 Wagon road brs. N. 30° E. and S. 30° W.
39.55 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., with a brass cap, marked
 $\frac{1}{4}$ S 6 in N., and
S 7 1913 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.
79.55 The cor. of secs. 5, 6, 7 and 8, hereinbefore described.
Land, level.
Soil, loose, red sandy loam, 12 to 18 ins. deep on clay
subsoil.
Good gramma-grass, scattering yuccas 4 to 8 ft. high.
No timber.
April 23rd, 1913.

April 24th, 1913: At 8h. 30m. a. m., l. m. t., I set off
12° 49' N. on the decl. arc; and 32° 35' on the lat. arc;
and determine a meridian with the solar at the cor. of
secs. 5, 6, 7 and 8 hereinbefore described.
Thence I run,
S. $0^{\circ} 03'$ E., bet. secs. 7 and 8.
Over slightly rolling land.
77.00 Dry wash, 10 lks. wide, course west.
11.00 Wagon road brs. E. and W.
36.00 Dry sandy wash, 1 ch. wide, 6 ft. deep, course S. 60° W.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 7 in W.,
S 8 in E., and
1913 in S. half;
dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist.,
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W.
of cor.
45.00 Dry sandy wash 3 chs. wide, 6 ft. deep, course west.
55.50 Dry wash, 10 lks. wide, 1 ft. deep, course west.
55.80 Wagon road brs. E. and W.
70.50 Dry wash, 15 lks. wide, 1 ft. deep, course west.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 7, 8, 17 and 18, with a
brass cap, marked,
T 10 S R 24 E in N., and
1913 in S. half;
S 7 in NW.,
S 8 in NE.,
S 17 in SE., and
S 18 in SW. quadrant;
dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high, west of
cor.
Land, level and rolling.
Loose, red gravelly sandy loam soil, 12 to 18 ins. deep,
on clay subsoil.
Good gramma-grass, scattering yuccas, 3 to 7 ft. high.

Chains.

Thence I run,
 N.89°49'E., on a true line, bet. secs.8 and 17.
 Over level prairie land, bet. secs.8 and 17.
 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked
 $\frac{1}{4}$ S 8 in N., and
 S 17 1913 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.
 40.39 Intersect south bdy. of Ft. Grant Military Reservation,
 15.95 chs.S. 78° 36'W. of 13th mile cor. established
 by me, as described in Book "A."
 At the above point of intersection, I set an iron post 3
 ft.long, 2 ins. in diam., 24 ins. in the ground for
 closing cor. of secs.8 and 17, with a brass cap marked
 C C E of center,
 T 10 S R 24 E in N., and
 1913 in S.half;
 S 8 in NW., and
 S 17 in SW. quarter;
 Dig pits 24x18x12 ins. crosswise on each line, NE.and SW.
 3 ft., and west of post 7 ft. dist., and raise a mound
 of earth 4 ft.base, 2 ft.high, west of cor.
 Land, level.
 Soil, loose, red sandy loam, medium texture, 12 to 18
 ins. deep on clay subsoil.
 Good gramma-grass, scattering yuccas, 3 to 7 ft.high.
 No timber.

 From the cor.of secs. 7,8,17 and 18, hereinbefore described,
 I run,
 West, on a random line, bet. secs.7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.70 Intersect west bdy.of Tp., 12 lks.N. of the cor.of secs.
 7,12,13 and 18, previously reestablished by me, and
 described in Book "C."
 Thence I run,
 N.89°55'E., on a true line, bet. secs. 7 and 18.
 Over level prairie land.
 .70 Wagon road, brs.N.and S.
 39.70 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., with a brass cap marked
 $\frac{1}{4}$ S 7 in N., and
 S 18 1913 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.
 79.70 The cor.of secs.7,8,17 and 18, hereinbefore described.
 Land,level.
 Soil, loose, red sandy loam, medium texture, 12 to 18 ins.
 deep on clay subsoil.
 Good gramma-grass.
 No timber.

 Thence I run,
 S.0° 03' E., on a true line, bet. secs.17 and 18.
 Over level prairie land.
 7.89 Intersect south bdy. of Ft. Grant Military Reservation
 22.88 chs. N.78°36'E. of 12th mile cor. established by
 me, as described in Book "A."
 At the above described point, I set an iron post 3 ft.
 long, 2 ins. in diam., 24 ins. in the ground, for C C
 of secs. 17 and 18, with a brass cap, marked
 C C S of center,

6. Subdivision of part of Township 10 South Range 24 East.

Chains.

T 10 S R 24 E in N.,
 1913 in S. half;
 S 18 in NW., and
 S 17 in NE. sectors;

dig pits 24x18x12 ins., crosswise on each line, NE and
 SW. 3 ft., and N. of post 7 ft. dist., and raise a
 mound of earth 4 ft. base, 2 ft. high, north of cor.

Land, level.

Soil, loose, red sandy loam, medium texture, 12 to 18 ins.
 deep on clay subsoil.

Good gramma grass.

No timber.

April 24th, 1913.

GENERAL DESCRIPTION.

This surveyed portion of T. 10 S., R. 24 E. consists mainly
 of rolling prairie land, sloping to west from foot
 of Mt. Graham. The fractional sections 4 and 9, and
 the east part of secs. 5 and 8 are rocky, suitable
 only for grazing. Secs. 6 and 7, and the west half of
 secs. 5 and 8 are made up of loose, gravelly, sandy
 loam soil, supporting a good growth of gramma-grass
 and can be cultivated.

There is a good stream of water running through the NW.
 $\frac{1}{4}$ of sec. 6, which can be diverted for the purpose
 of irrigation.

There are no settlers nor improvements of any kind in
 the surveyed portion of this township.

Thomas B. Matthews
 U. S. Surveyor.

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

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

_____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, March 20 _____, 191 5

The foregoing field notes of the survey of Part of the _____
Subdivision lines of _____
Township No.10 South Range No.24 East
of the Gila and Salt River Base and Meridian, Arizona

executed by Thomas B. Matthews, U.S. Surveyor _____
under his special instructions dated September 24, 1912 for Group 22, _____, 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

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.~~

U. S. Surveyor General.