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Standard

BOOK 2368

Book B

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FEB. 24 1913

# FIELD NOTES

OF THE SURVEY

7328

RETRACEMENT AND RESURVEY

FIFTH GUIDE MERIDIAN WEST

Through

TOWNSHIPS 19 and 20 NORTH Between

RANGES 18 and 19 WEST.

Of the Gila and Salt River Base and Meridian,

Arizona.

AS SURVEYED BY

William B. Alexander, United States Deputy Surveyor,

Under his Contract No. 157, dated May 26, 1909

Survey commenced June 1, 1910., 190

Survey completed June 3, 1910., 190



BOOK 2368  
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NAMES AND DUTIES OF ASSISTANTS.

*See Standard Book "A"  
" Orig. & Supplemental Standard Book "C"*

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BOOK 2368

INDEX DIAGRAM

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See Original & Supplemental Standard Book "C" pages

FIFTH GUIDE MERIDIAN WEST

EXTERIOR BOOK "F"

EXTERIOR BOOK "A"

For PRELIMINARY OATHS OF ASSISTANTS.

See Standard Book "A"

" Orig. & Supplemental Standard Book "C"

WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 190



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 190



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 190



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 190



## Retracement &amp; Resurvey 5th. Guide Mer. West thro. T. 19 N. Rs. 18 &amp; 19 W. 10

Chains.

Survey commenced June 1, 1910, and was executed with a Young and Sons' light mountain transit No. 7520, having two double verniers placed opposite to each other on the horizontal plate, and reading to single minutes of arc, which is also the least reading upon the latitude and declination arcs of the Smith Solar Attachment fitted to this instrument.

This transit was examined, tested on the true meridian, found correct, and approved by the U.S. Surveyor General of Arizona, June 25, 1904.

I begin at the cor. of Ts. 18 and 19 N., Rs. 18 and 19 W. on the Fifth Guide Meridian West; latitude  $34^{\circ}54'10''$  N., long.  $114^{\circ}12'26''$  W., which is a lava stone 7 ins. above ground, marked and witnessed as described by the Surveyor General. I examine the collimation, bubble, and standard adjustment of the instrument and find them correct; then, to test the solar apparatus by comparing the a.m. and p.m. observations with the true meridian determined by an observation on Polaris, I proceed as follows:

At 5h.0m., l.m.t., p.m., at the corner above described, I set off  $35^{\circ}$  N. on the lat. arc;  $22^{\circ}04'$  N. on the declination arc, and determine a meridian with the solar, and mark the line by a tack driven in a stake set 5.00 chs. north of my station.

June 1, 1910.

June 2, 1910. At 2h.47m., l.m.t., by my watch, which is correct local time, I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark the line thus determined by a tack driven in a stake set about 5 chains north of my station east of the stake set by solar observation yesterday.

At 5h.0m. a.m., l.m.t., I set off  $1^{\circ}26'$  to the west, and mark the true meridian thus determined by a tack driven in the stake set yesterday afternoon. The solar meridian falls one eighth of an inch west of the true meridian.

At 7h.30m. a.m., l.m.t., I set off  $35^{\circ}$  N. on the lat. arc;  $22^{\circ}8\frac{1}{2}'$  N. on the decl. arc, and determine a meridian with the solar. This line intersects the tack set by deflection from the stellar observation. The adjustments of the instrument are satisfactory.

Thence I run north on a random line, bet. secs. 31 & 36.

40.05  $\frac{1}{4}$  sec. cor. brs. west  $3\frac{1}{4}$  lks., which is a lava stone 6 ins. above ground, marked and witnessed as described by the Surveyor General.

80.10 Cor. of secs. 25, 30, 31 and 36, brs. W. 7 lks., which is a lava stone, marked and witnessed as described by the Surveyor General.

Therefore, the true bearing of this line is  $N.0^{\circ}03'W.$ , 80.10 chs.

Thence I run,  
North, between secs. 25 and 30.

40.11  $\frac{1}{4}$  sec. cor., brs. W. 7 lks., which is a lava stone 6 ins. above ground, marked and witnessed as described by the Surveyor General.

80.22 Cor. of secs. 19, 24, 25 and 30, which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General, brs. W. 14 lks. Therefore the true bearing of this line is  $N.0^{\circ}06'W.$ , 80.22 chs.

Thence I run,  
North, between secs. 19 and 24.

40.00  $\frac{1}{4}$  sec. cor. brs. west 7 lks., which is a lava stone 6 ins.

## 2. Retracement &amp; Resur. 5th. Guide Mer. W., thro. T. 19 N., Rs. 18 &amp; 19W.

Chains.

above ground, marked and witnessed as described by the Surveyor General.  
 79.98 Cor. of secs. 13, 18, 19 and 24, brs. W. 14 lks., which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General. Therefore the bearing of this line is N. 0° 06' W., 79.98 chs.

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 Thence I run,  
 North, between secs. 13 and 18,  
 40.53  $\frac{1}{4}$  sec. cor. brs. W. 8 $\frac{1}{2}$  lks., which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General.  
 80.00 C C to secs. 7 and 18, T. 19 N., R. 18 W. set by Deputy Surveyor Rudolf under his Contract No. 155, which is a malpais stone 6 ins. above ground, marked and witnessed as described by the Surveyor General, brs. W. 20 lks., and the old sec. cor. of secs. 7, 12, 13 and 18, which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General, brs. N. 74 lks. from the C C. I destroy both of these corners because the Manual requires reestablishment of Guide Meridian corners when out of limits, and having no subdivisions depending thereupon. Rudolf's survey has not yet been approved. I then reestablish the corner at the same place previously occupied by the C C as follows:  
 Set a malpais stone 8x10x16 ins., 11 ins. in the ground for the cor. of secs. 7, 12, 13 and 18, marked with 4 notches on the S. and 2 notches on the N. edges; and raised a mound of stones 3 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

Thence I run,  
 S. 0° 09' E. on a true line, between secs. 13 and 18.  
 Over mountainous land, covered with dense undergrowth of greasewood, cactus and catsclaw.  
 39.47 Old  $\frac{1}{4}$  sec. cor. above described. This I destroy.  
 Ascend the N. slope of the Black Mountains.  
 40.00 Set a lava stone 5x8x20 ins., 15 ins. in the ground, for the  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the W. face, and raise a mound of stones 3 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 54.50 Ridge, bears E. and W.; descend.  
 68.00 Gulch, course, E. 1.00 wide side.  
 80.00 The cor. of secs. 13, 18, 19 and 24, heretofore described.  
 Soil, 4th rate, rocky volcanic formation.  
 Land, mountainous.  
 Dense undergrowth of greasewood, cactus and catsclaw.  
 No timber or grass.  
 Mountainous land, covered with dense undergrowth, and exceptionally difficult to survey, 80.00 chs.

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 June 2, 1910. At noon, the sun is obscured with a cloud, and latitude observation is impracticable.  
 From the cor. of secs. 7, 12, 13 and 18, just reestablished and described by me, I run,  
 North on a random line, bet. secs. 7 and 12.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 40.70 Old  $\frac{1}{4}$  sec. cor. brs. W. 15 lks., which is a lava stone 6 ins. above ground, marked and witnessed as described by the Surveyor General. This I destroy.  
 80.00 C C to secs. 6 and 7, T. 19 N., R. 18 W., established by Deputy Rudolf under his Contract No. 155, which is a malpais stone 5 ins. above ground, marked and witnessed as described by the Surveyor General, brs. W. 30 lks., and the old cor. of secs. 1, 6, 7 and 12, which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General, is situated 90 lks. N. of the C C. I destroy both of these corners, and reestablish the corner of secs. 1, 6, 7 and 12, at the

## Retracement &amp; resurvey 5th Guide Mer. W. through T. 19 N. R. 18 &amp; 19 W. 3.

Chains.

- point where the C C was situated, as follows:  
 Set a malpais stone 7x12x18 ins., 12 ins. in the ground, for the corner of secs. 1, 6, 7 and 12; marked with 1 notch on the N. and 5 notches on the S. edges; and raise a mound of stones 3 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
- Thence I run,  
 S. 0° 13' E. on a true line, between secs. 7 and 12.  
 Over mountainous land, covered with dense undergrowth of greasewood, cactus, and catsclaw.  
 Descend.
- 0.40 Wash, 20 lks. wide, course SE.  
 3.00 Wagon road from Kingman to Gold Roads, brs. SW. and NE.  
 9.30 Wash, 30 lks. wide, course SE.  
 Ascend NE. slope of the Black Mountains.
- 16.50 Power Transmission line from Kingman to Gold Roads, brs. S. 52° 45' W. and N. 52° 45' E.
- 31.20 Wash, 40 lks. wide, course SE.
- 40.00 Set a malpais stone 6x10x18 ins., 12 ins. in the ground for the ¼ sec. cor., marked ¼ on the W. face, and raise a mound of stones 3 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
- 41.25 Wash, 40 lks. wide, course SE.  
 54.70 Ridge, brs. NW. and SE. Descend.  
 80.00 The cor. of secs. 7, 12, 13 and 18, hereinbefore described. Land, mountainous.  
 Soil, 4th rate, rocky.  
 Dense undergrowth of greasewood, cactus, and catsclaw.  
 No timber or grass.  
 Mountainous land, covered with dense undergrowth, and exceptionally difficult to survey, 80.00 chains.
- 
- Commencing at the cor. of secs. 1, 6, 7 and 12, this day reestablished by me; thence I run,  
 North, on a random line, between secs. 1 and 6.
- 40.00 Set temp. ¼ sec. cor.  
 40.90 Old ¼ sec. cor., which is a lava stone 5 ins. above ground marked and witnessed as described by the Surveyor General, brs. W. 10 lks. This I destroy.
- 81.12 Cor. of T. 19 and 20 N., R. 18 and 19 W. brs. W. 20 lks., a lava stone, 6 ins. above ground, marked and witnessed as described by the Surveyor General. Thence I run,  
 S. 0° 09' E. on a true line, between secs. 1 and 6.  
 Over mountainous land, covered with dense undergrowth of greasewood, cactus and catsclaw.
- 41.12 Set a malpais stone 8x8x20 ins., 15 ins. in the ground for the ¼ sec. cor., marked ¼ on the W. face; and raise a mound of stones 3 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
- 68.00 Wash, 1.00 chain wide, course SE.  
 81.12 The cor. of secs. 1, 6, 7 and 12, hereinbefore described. Land, mountainous, covered with dense undergrowth of greasewood, cactus and catsclaw.  
 Soil, 3rd rate, rocky.  
 No timber or grass.  
 Mountainous land, covered with dense undergrowth, and exceptionally difficult to survey, 81.12 chains.
- June 2, 1916.

## 4. Retracement &amp; Resurvey 5th. Guide Mer. thro. T. 20 N.

Chains.

June 3, 1910.

Commence at the cor. of T. 19 and 20 N., R. 18 and 19 W., lat.  $35^{\circ}04'23''$  N.; long.  $114^{\circ}12'26''$  W., which is a lava stone 6 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence I run,

North, bet. secs. 31 and 36.

40.12 $\frac{1}{2}$   $\frac{1}{4}$  sec. cor., which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General, 15 lks. W. of line.

80.25 Cor. of secs. 25, 30, 31 and 36, which is a lava stone 6 ins. above ground, marked and witnessed as described by the Surveyor General, 30 lks. W. of line.

Therefore, the true bearing of this line is  $N. 0^{\circ}13' W.$ , 80.25 chs.

Thence I run,

North, between secs. 25 and 30.

39.95  $\frac{1}{4}$  sec. cor., which is a lava stone 6 ins. above ground, marked and witnessed as described by the Surveyor General, 3 $\frac{1}{2}$  lks. W. of line.

79.90 Cor. of secs. 19, 24, 25 and 30, which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General, 7 lks. W. of line. Therefore, the true bearing of this line is  $N. 0^{\circ}3' W.$ , 79.90 chs.

Thence I run,

North, on a random line, bet. secs. 19 and 24.

40.66  $\frac{1}{4}$  sec. cor. on line, which is a lava stone 6 ins. above ground, marked and witnessed as described by the Surveyor General.

80.80 Cor. of secs. 13, 18, 19 and 24 on line, which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General. This being out of limits in measurement, I continue my random line, and note the offsets to old corners, which I shall reestablish by a return on a true line. I note that C. C. to secs. 18 and 19, T. 20 N. R. 18 W., which is a malpais stone, 6 ins. above ground, marked and witnessed as described by the Surveyor General, set by Deputy Surveyor Rodolf, is situated at 79.90.

120.80  $\frac{1}{4}$  sec. cor. on line, which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General.

159.95 C. C. to secs. 7 and 18, T. 20 N., R. 18 W., which is a malpais 6 ins. above ground, marked and witnessed as described by the Surveyor General, set by Deputy Surveyor Rodolf under his Contract No. 155.

160.90 Cor. of secs. 7, 12, 13 and 18, on line, which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General.

200.90  $\frac{1}{4}$  sec. cor. 5 lks. west of line, which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General.

239.90 C. C. to secs. 6 and 7, T. 20 N., R. 18 W., which is a malpais stone 6 ins. above ground, marked and witnessed as described by the Surveyor General, set by Deputy Surveyor Rodolf under Contract 155, on line.

241.00 Cor. of secs. 1, 6, 7 and 12, on line, which is a lava stone 6 ins. above ground, marked and witnessed as described by the Surveyor General.

281.06  $\frac{1}{4}$  sec. cor. 12 lks. W. of line, which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General.

321.02 Closing township corner on the Fifth Standard Parallel North bet. rs. 18 and 19 W., brs. W. 24 lks. This is a granite stone 5 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence I run,

$S. 0^{\circ}03' E.$  on a true line, throwing the excess measurement into the last half mile to the north, and setting the remaining  $\frac{1}{4}$  and sec. cors. at intervals of 40.00 chains, destroying the old  $\frac{1}{4}$  sec. and sec. cors., as well as the C Cs set by Deputy Surveyor Rodolf under his contract

SEE ORIGINAL &amp; SUPPLEMENTAL STANDARD BOOK "C" PAGE

SEE ORIGINAL and SUPPLEMENTAL STANDARD BOOK "C" PAGE



## Chains.

- No. 155, all in accordance with instructions in the Manual pertaining to such a case.  
Beginning at the closing cor. of Tp. 20 N., R. 18 and 19 W., which is a granite stone 5 ins. above ground, marked and witnessed as described by the Surveyor General; thence I run,  
S. 0° 03' E., bet. secs. 1 and 6.  
Over level land, sloping to the S. and E.
- 29.50 Wash, 30 lks. wide, course SE.  
35.00 Wash, 1.50 chs. wide, course SE.  
41.02 Set a malpais stone 6x8x20 ins., 15 ins. in the ground for the  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the W. face, and raise a mound of stones 3 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
81.02 Set a malpais stone 6x12x24 ins., 18 ins. in the ground for the cor. of secs. 1, 6, 7 and 12, marked with 1 notch on the N. and 5 notches on the S. edges; dig pits 18x18x12 ins. in each section 5 $\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
Land, level and sloping to the E. and S.  
Soil, 1st rate, sandy.  
No trees, and but little grass.
- 
- June 3, 1910. At noon, I set off 35° 09' N. on the lat. arc; 22° 12' N. on the decl. arc; and observe the sun on the meridian at the cor. of secs. 1, 6, 7 and 12 above described; the latitude reading remains unchanged.  
Thence I run,  
S. 0° 03' E., bet. secs. 7 and 12.  
Over level land, covered with greasewood undergrowth.
- 40.00 Set a malpais stone 5x10x18 ins., 12 ins. in the ground, for the  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the W. face, and raise a mound of stones 3 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
73.00 Wash, 30 lks. wide, course SE.  
80.00 Set a malpais stone 12x12x20 ins., 15 ins. in the ground for the cor. of secs. 7, 12, 13 and 18, marked with 2 notches on the N. and 4 notches on the S. edges; dig pits 18x18x12 ins. in each section 5 $\frac{1}{2}$  ft. distant, and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
Land, level.  
Scattering greasewood brush.  
Soil, 1st rate, sandy.
- 
- Thence I run,  
S. 0° 03' E., on a true line, bet. secs. 13 and 18.  
Over level land, covered with dense undergrowth of greasewood, cactus and catsclaw.
- 22.30 Wash, 60 lks. wide, course SE.  
40.00 Set a malpais stone 8x10x24 ins., 18 ins. in the ground for the  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the W. face, and raise a mound of stones 3 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
58.50 Wash, 20 lks. wide, course SE.  
60.90 Wash, 20 lks. wide, course SE.  
69.80 Wash, 30 lks. wide, course SE.  
75.00 Wash, 30 lks. wide, course SE.  
80.00 Set a malpais stone 8x10x20 ins., 15 ins. in the ground, for the cor. of secs. 13, 18, 19 and 24, marked with 3 notches on the N. and 3 notches on the S. edges; dig pits 18x18x12 ins. in each section 5 $\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
Land, broken by washes, but generally level.  
Soil, 1st rate, sandy.  
Dense undergrowth of greasewood, cactus, and catsclaw.  
No trees or grass.  
Level land covered with dense undergrowth and exceptionally difficult to survey, 80.00 chains.

6. Resurvey 5th Guide Mer West, through Township 20 North.

Chains.

SEE ORIGINAL & SUPPLEMENTAL  
STANDARD BOOK "C" PAGE

June 3, 1910. At 4h. 30m. p.m., l.m.t., I set off  $35^{\circ}07'$  N. on the lat. arc;  $22^{\circ}19'N.$  on the decl. arc, & determine a meridian with the solar at the above described cor. of secs. 13, 18, 19 and 24.

Thence I run,  
 N.  $0^{\circ}03'E.$ , on a true line, bet. secs. 19 and 24.

23.00 Cross wash 60 lks. wide, course SE.

40.00 Set a malpais stone  $8 \times 10 \times 20$  ins., 15 ins. in the ground for the  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the W. face, and dig pits  $18 \times 18 \times 12$  ins. N. and S. of cor. 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 Wash, 10 lks. wide, course SE.

69.70 Old wagon road, brs. NE. and SW.

80.00 The cor. of secs. 19, 24, 25 and 30, which is a lava stone 5 ins. above ground, marked and witnessed as described by the Surveyor General.

Land, level.  
 Soil, 1st rate, sandy.  
 Dense undergrowth of greasewood, cactus and catsclaw.  
 No trees, and but very little grass.  
 Land, covered with dense undergrowth, and difficult to survey, 80.00 chains.

June 3, 1910.

*William P. Alexander*

U. S. Deputy Surveyor.

July 1, 1910.

For FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

See Standard Book "A"

See Orig. & Supplemental Standard Book "C"

LIST OF NAMES.

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_

showing the respective capacities in which they acted:

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_

\_\_\_\_\_ meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for \_\_\_\_\_

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 190 }



For FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

See Standard Book "A"

See Orig. & Supplemental Standard Book "C"

I, William B. Alexander, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Lugaes United States Surveyor General for Arizona, bearing date of the 26 day of May 1909, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

Fifth Guide Meridian through townships 19 and 20 North

of the Gila and Salt River meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed 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 United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

*For final oath of Deputy Surveyor See Book # 8*

United States Deputy Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 190



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, Feb. 26, 1913

The foregoing field notes of the ~~survey of~~ Retracement and Resurvey of the Fifth Guide Meridian West through Tps. 19 and 20 North, Gila and Salt River Base and Meridian; State of Arizona

executed by William B. Alexander - U.S. Deputy Surveyor under his contract No. 157, dated May 26, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

United States Surveyor General.

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.

United States Surveyor General.