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Book A.

BOOK 2084

2084  
FIELD NOTES

2084

OF THE SURVEY OF THE

2084

*Retraacements of the North and East boundaries  
of Twp. 31 North, Range No. 11 E.*

2084

Of the *Gila & Salt River Base* and Meridian,  
*in the Territory of Arizona*

AS SURVEYED BY

*Sidney E. Blount*, United States *Examiner of Survey*  
*Deputy Surveyor*,

Under his *Instructions* ~~Contract~~ No. \_\_\_\_\_, dated *Oct 2nd*, 1907

Survey commenced *November 12*, 1907

Survey completed *November 18<sup>th</sup>*, 1907

2084

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BOOK 2084

NAMES AND DUTIES OF ASSISTANTS.

J. G. Kemp	Comptroller
G. L. Warner	Chairman
A. J. Klein	Chairman
Norman Oliver	Wardman
H. L. Nay	Flagman

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BOOK 2084

INDEX DIAGRAM.

Township *31 North*, Range *11 East*

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PRELIMINARY OATHS OF ASSISTANTS.

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 and Recovery of the N. Pole of  $\text{M. 31 N. P. 11 E. H.C.}$   
 Chains

Survey Commenced Nov 12<sup>th</sup> 1907. and executed with a Young and Sons light mountain transit  $\text{N}^{\circ} 10$  with solar attachment. The horizontal limb is provided with two double verniers, placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

Examine the adjustments of the transit and correct the level and collimation errors, then to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a true meridian determined by observation on Polaris & proceed as follows

At the Western Navajo Indian School building situated at Naba City Arizona, near the  $\frac{1}{4}$  sec. Cor. bet. sec 20 and 29  $\text{M. 32 N. P. 11 E.}$ , Latitude  $36^{\circ} 10' \text{ N.}$  Longitude  $111^{\circ} 15' \text{ W.}$ , I set off  $36^{\circ} 10' \text{ N.}$  on the lat. arc  $17^{\circ} 32' \text{ S.}$  on the decl. arc and at  $3^{\text{h}} 44^{\text{m}}$  p.m. l.m.t. determine a meridian with the solar, and mark a point in the direction thus determined, by a tack driven in a stake set firmly in the ground 5 ch. N. of my instrument

At  $6^{\text{h}} 28^{\text{m}}$  p.m. l.m.t. by my watch which is correct local mean time, I observed Polaris in accordance with instructions in the Manual, and mark the direction thus determined, by a tack driven in a peg set in the ground 5 ch. N. of my instrument

Astron. l.m.t. of Obs. Nov 12 <sup>th</sup>			$6^{\text{h}} 28^{\text{m}}$
Equivalent to time Nov. 11 <sup>th</sup>			30 28
U.C. Polaris Nov 1 <sup>st</sup>	$10^{\text{h}} 46.2^{\text{m}}$		
Reduction to Nov 11 <sup>th</sup> Subtract	$39.3$		
	<hr/>		
U.C. Polaris Nov 11 <sup>th</sup>	$10^{\text{h}} 06.9^{\text{m}}$	Subtract	$10^{\text{h}} 07.9^{\text{m}}$
Hour angle Polaris at Obs.			$20^{\text{h}} 28.7^{\text{m}}$
Subtract from			$23^{\text{h}} 56.1^{\text{m}}$
True Argument for Table VII			$3.35$
			$3.31$
Azimuth of Polaris at Observation			$1^{\circ} 12' \text{ E.}$
			$1^{\circ} \text{ H. E.}$
			November 12 <sup>th</sup> 1907

Retracements and Resurvey of the N. Body of P 31 N., R 11 E. Chains

Nov. 13<sup>th</sup> At 6<sup>h</sup> 45<sup>m</sup> a.m. I lay off the azimuth of Polaris <sup>12'</sup> to the West and mark the meridian ~~thus determined~~, by a tack driven in the stake set last evening on which the meridian falls 0.4 ins E. of the point determined by the solar

At 8<sup>h</sup> 44<sup>m</sup> a.m. I set off 36° 10' N. on the lat. arc, 17° 45' S. on the decl. arc and determine a meridian with the solar, and mark a point thereof, by a nail driven in the stake already set 5 chs N. of my instrument

This point, falls 0.3 ins E. of the point determined by the Polaris observation

The solar apparatus by fore and aft observations defined positions for meridians, respectively about 0' 21" W. and 0' 15" E. of the meridian established by the Polaris observation, therefore I conclude that the adjustments of the instruments are satisfactory.

November 13<sup>th</sup> 1907

November 17<sup>th</sup> 1907. I set off 36° 08' N. on the lat. arc. 18° 39<sup>51</sup>/<sub>2</sub>' S. on the decl. arc. and <sup>at 1<sup>h</sup> 45<sup>m</sup> p.m. I set</sup> determine a meridian with the solar at the Cor. of Pps. 31 and 32 N. R's 10 and 11 E., which is a blue line stone, 11 x 5 x 9 ins above ground. firmly set. marked 32 N. on N.E. 11 E. on S.E., 31 N. on S.W. and 10 E. on N.W. faced with 6 notches on N.E. S and W. edges, with file 24724 x 12 ins. on line, N.E. and W. of stone 4 ft. and S. 8 ft. dist, with mound of earth 5 ft base, 2 1/2 ft. high S. of Cor. Thence I run

East. Bet. sec 6 and 31.

Over level bottom land along Moneopie Wash.

34.26 Wire fence line N 10° W and S 10° E.

38.48 Fall 5 chs N. of the 1/4 sec. Cor., which is a blue line stone 8 x 4 x 6 ins above ground firmly set. marked and witnessed as described in the original field notes;

Course of line back to the Pp. Cor N 89° 56' W.

From the 1/4 sec Cor. I run

East. Bet. sec 6 and 31.

7.75 Irrigating ditch, flows S.W.

29.24 Wire fence line N and S.

32.00 Moneopie Wash 2 chs wide Course S.W.

Retracement and Recovery of the N. Bdry. of  $\frac{1}{4}$  Sec. 31 or R. 11 E.  
Coburn

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40.00 Fall 6 lbs N. of the Cor. of Secs. 5, 6, 31 and 32 which is a lime stone  $10 \times 10 \times 5$  ins above ground firmly set marked R11 E. on N.E., R11 E. on S.E., T 31 N. on S.W. T 32 N. on N.W. faces., with 5 notches on E. and 1 notch on W. edges, Pils  $18 \times 18 \times 12$  ins in each sec  $5\frac{1}{2}$  ft dist, Mound of earth 4 ft base, 2 ft high W of Cor.  
Course of line back to the  $\frac{1}{4}$  sec cor N  $89^{\circ} 55' W$ .  
Length of mile 78.48 chs.

Each Beh. sec 5 and 32.

Over level bottom land

14.27 Wire fence base N and S  
20.56 Wire fence base N.E. and S.W.  
39.70 Leave bottom land base N.E. and S.W., ascend N.W. slope over stony hilly land base N.E. and S.W.  
39.92 Intersect the  $\frac{1}{4}$  sec. cor which is a lime stone  $9 \times 5 \times 7$  ins above ground, marked and witnessed as described in the original field notes.  
Course of line back to the sec. cor, West.  
From the  $\frac{1}{4}$  sec cor Draw

Each Beh. Secs, 5 and 32

3.00 Top of ridge base N.E. and S.W. desc steeply.  
39.00 Fall 9 lbs N. of the witness Cor. to Cor of sec 4, 5, 32 and 33, which is a blue lime stone  $8 \times 8 \times 7$  ins. above ground, firmly set marked and witnessed as described in the original field notes.  
Course of line back to the  $\frac{1}{4}$  sec. cor, N  $89^{\circ} 52' W$ .  
Length of mile 79.92 chs.

Each Beh. sec. 4 and 33, from the W.C. to Cor. of Secs. 4, 5, 32 and 33 -

Over level bottom land.

1.70 Left bank of Muncie Wash base N.W. and S.E.  
4.00 A point in Wash Course N.W.  
5.00 Left bank of Muncie Wash base N.E. and S.W.  
Thence over level bottom land.  
9.00 Cross Muncie Wash 250 lbs wide banks 20 ft high. Course N.W.  
41.24 Fall 6 lbs N. of the  $\frac{1}{4}$  sec. cor. which is a lime

Retracements and Resurvey of the N. Body of Twp 31 N. R. 11 E  
Schauss

- Stone  $8 \times 7 \times 4$  ins. above ground, firmly set, marked and witnessed as described in the original field notes  
Course of line back to the Witness Cor. to cor. of sec 4. 5. 32 and 33.  $N 89^{\circ} 55' W$ .
- From the  $\frac{1}{4}$  sec. cor. Drive  
Cash bet. sec 4 and 33.
- 18.93 Right bank of Monocopia Wash from N and S.  
19.00 A point in center of wash course S.  
21.00 Left bank of Monocopia Wash from N and S. - thence over level land.  
27.50 Leave level bottom land from N.E. and S.W., ascend abruptly on N.W. slope of ridge.  
29.25 Top of abrupt ascent on bluff 50 ft. above Creek bottom, thence over broken stony land.  
31.50 Begin steep descent on N.E. slope of ridge  
37.50 Foot descent in Monocopia Wash in land from N.E. to N.W.
- 40.26 Intersect the Cor. of sec. 3. 4. 33 and 34 which is a blue lime stone  $7 \times 7 \times 4$  ins above ground firmly set, marked and witnessed as described in the original field notes.  
Course of line back to the  $\frac{1}{4}$  sec. cor. West.  
Length of mile 80.50 ch.

November 17<sup>th</sup> 1907

- November 18<sup>th</sup> Ch. 7<sup>h</sup> 45<sup>m</sup> a.m. l.g.m.b. D. set off.  $36^{\circ} 08' N$ . on the lat. arc.  $19^{\circ} 00' S$ . on the decl. arc and determine a meridian with the solar at the cor. of sec. 3. 4. 33 and 34. Thence Drive  
Cash bet. sec 3 and 34. Over level bottom land along Monocopia Wash.
- 1.75 Center of Wash. 125 lbs. wide. banks 20 ft. high. Course N.W.
- 3.05 Wire fence from N.W. and S.E.  
3.45 Road leads to Pinta Ariz. from N.W. and S.E.  
3.60 Wire fence from N.W. and S.E.  
12.00 Point of sandstone bluffs from N.W. and S.E. ascend  
30.00 Top of ridge from N.E. and S.W.  
40.00 Fall 14 lbs. S of the  $\frac{1}{4}$  sec. cor. which is a lime stone  $7 \times 6 \times 6$  ins. above ground, firmly set, marked and witnessed as described in the original field notes



Retractions and Resurvey of the N. Bdry. of Pp. 31 N. R 11 E.  
 Salinas

Course of line back to the sec. cor. S 89° 48' W.  
 From the 1/4 sec. cor. Drive.  
 Each Beh. sees. 3 and 34

2.60 Top of round knoll 200 ft in diameter 20 ft high

5.20 Point of sandstone ridge head N and S.

6.60 Road leads to Pula Ariz head N.E. and S.W.

11.00 Center of Monocline Wash 200 lbs. wide. banks 20 ft. high course S.W.

17.75 Center of Monocline Wash 200 lbs wide, banks 20 ft high Course N.W.

26.50 Monocline Wash 250 lbs. wide banks 20 ft. high Course S.W.

32.70 Center of Monocline Wash, 150 lbs. wide, banks 20 ft high Course N.W.

35.60 Road to Pula Ariz head N.W. and S.E., Lean bottom land head N.W. and S.E. ascend steep S.W. slope. over sand stone bluffs.

37.50 Top of rim rock. 100 ft above Monocline Wash head N.W. and S.E. ascend gradually.

38.75 Top of spur head N and S. descend gradually.

39.78 Fall 29 lbs N. of the Cor. of sees. 2, 3, 34 and 35 which is a lime stone 7x5x6 ins above ground firmly set, marked and witnessed as described in the original field notes

Course of line back to the 1/4 sec. cor N 89° 35' W  
 Length of mile 79.78 Ch.

Each Beh. sees 2 and 35  
 Over stony hilly land.

3.60 Dry ravine course S.W. ascend.

6.10 Top of ridge head N.E. and S.W. desc. gradually

13.20 Dry ravine course S.W., ascend gently over rolling land.

18.80 Road leads to Pula Ariz, head N.E. and S.W.

40.01 Fall 22 lbs S. of the 1/4 sec. cor. which is a lime stone 8x6x6 ins above ground firmly set, marked and witnessed as described in the original field notes

Course of line back to the sec. cor. S 89° 41' W  
 From the 1/4 sec. Cor. Drive

Each Beh. sees 2 and 35

39.98 Fall 11 lbs N. of the Cor. of sees. 1, 2, 35 and 36 which is

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 Retracement and Resurvey of the N. Bdry. of Tps. 31 N. R. 11 E.  
 Chain

a blue lime stone  $18 \times 8 \times 4$  ins., loosely set, marked. 32 N on N.E. 11 E. on S.E., 31 N on S.W. faces with 1 notch on E and 5 notches on W. edges, with trace of pits and mound of earth.

I re establish this Cor. in its original position as follows. Set the same stone, 14 ins in the ground. Dig pits  $18 \times 18 \times 12$  in in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. low 2 ft. high. W. of cor.

Course of line back to the  $\frac{1}{4}$  sec. cor N  $89^{\circ} 51'$  W.  
Length of mile 79.99 chs.

Each Sec. 1 and 36.

- 2.00 Descend S.E. slope over broken stony land into the Monocopia Wash.
- 22.00 Cross the Monocopia Wash. 200 lbs wide 20 ft deep. Course South
- 33.00 The point for witness corner to  $\frac{1}{4}$  sec cor. falls on a sand bar in the Monocopia Wash., make diligent search for cor. but am unable to find any trace of the same. Therefore I continue my line
- Each Sec. 1 and 36 in width.
- 45.00 Leave Wash course S.W.
- 46.00 Set a lime stone  $12 \times 8 \times 6$  ins 8 ins in the ground for witness cor to the  $\frac{1}{4}$  sec cor which falls on the bed of the Monocopia Wash., marked. W.C.  $\frac{1}{4}$  on N. face. Dig pit  $18 \times 18 \times 12$  ins. East. W. of stone 3 ft. dist. and raise a mound of earth 3 ft. low  $1\frac{1}{2}$  ft. high. N. of cor.
- 66.20 Ravine at foot of sand stone cliff. Course N.W. asc.
- 66.50 Top of cliff 40 ft. above ravine head N.W. and S.E. ascend gradually over stony land.
- 68.50 Top of stony ridge head N.W. and S.E. desc.
- 80.08 Fall 10 lbs. S. of the cor. of Tps. 31 and 32 N. R's 11 and 12 E., which is a lime stone,  $16 \times 12 \times 4$  ins. loosely set, marked. 32 N on N.E., 12 E on S.E. 31 N on S.W. and 11 E on N.W. faces with 6 notches on N.E. S and W. edges. No cor. accessories.
- I re establish this Cor in its original position as follows: Set the same stone 12 ins in the

Retractions and Resurvey of the N. Bdry of Twp 31 N. R 11 E.  
 Chains

ground and raise a mound of stone 3 ft base  
 2 ft high S. of cor. Not impracticable  
 Course of line back to the Cor. of sec 1, 2, 35 and  
 36. S  $89^{\circ}56' W$ .  
 Length of mile 80.08 ch.

At the above described N. Cor. Det. off.  
 $19^{\circ}4\frac{1}{2}'$  S. on the decl. arc. and at 11<sup>45</sup> a.m.  
 a.m. l.m. l. observe the sun on the meridian  
 and obtain on the lat arc a reading of  
 $36^{\circ}07' + or$  which is about the proper  
 latitude of the place

November 18<sup>th</sup> 1907

Retraiments Commenced Nov. 18<sup>th</sup> 1907 and executed with a Gung. and Soud light mountain transit No 10. with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc. which is also the least count of the verniers of the latitude and declination arcs.

I, knowing from recent observations that the instrument is in good adjustment, proceed as follows:

Nov. 18<sup>th</sup> 1907. Dep off.  $36^{\circ}08'$  N. on the lat arc  $19^{\circ}05'$  S. on the decl. arc. and at  $12^h 45^m$  p.m. l.m.t. determine a meridian with the solar at the Cor of Twp 31 and 32 N. R. 11 and 12 E. previously described. Thence Drive

South on E Body of Twp. 31 sec 1 and 6. Over low sand ridges covered with scattering greasewood bush.

- 37.75 Begin steep descent on SW. slope
- 40.00 Intersect the 1/4 sec. cor which is a sand stone  $18 \times 7 \times 6$  ins above ground firmly set, marked 1/4 on W. face, with file 1/8 ins sq. 1 ft. deep N. and S. of stone 2 ft. dish and mound of earth 3 ft. face 1 1/2 ft. high W. of cor.
- Course of line back to the Twp cor. North Above Cor. Drive
- South 31 sec 1 and 6.
- 00.50 Dry ravine Course N.  $30^{\circ}$  W. ascend steep N. slope
- 2.00 Top of steep ascent on South side of ravine, about 75 ft. above 1/4 sec. cor. thence over low sand hills
- 80.00 Intersect the cor. of sec 1, 6, 7 and 12. which is a blue lime stone  $10 \times 6 \times 6$  ins. above ground. firmly set. marked and witnessed as described in the original field notes
- Sand hills
- Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate
- No timber
- Course of line back to the 1/4 sec cor North length of mile 80.00 ch

South 31 sec. 7 and 12 Over low rolling

## Retracement of the East Boundary of Twp. 31N. R. 11E.

Chains

- sand hills covered with scattering quercus wood bush and bunch grass
- 13.00 Top of sand ridge head NW. and S.E.
- 40.00 Intersect the  $\frac{1}{4}$  sec. cor. which is a blue line stone  $12 \times 8 \times 7$  ins above ground firmly set, marked and witnessed as described in the original field notes
- Course of line back to the sec. cor. North
- From the cor. I continue my line South to sec. 7 and 12
- 27.00 Road from Craigh Ariz to Nuba Ariz head NW. and S.E. thence along road.
- 35.10 Leave road head NW. and S.E.
- 40.00 Fall 1.1/2 E of the cor. of sec. 7, 12, 13 and 18 which is a blue line stone  $8 \times 6 \times 4$  ins above ground, firmly set, marked and witnessed as described in the original field notes
- Laid belly.
- Soil sandy 3<sup>rd</sup> rate.
- No timber
- Course of line back to the  $\frac{1}{4}$  sec. cor. N  $8^{\circ} 01'$  E.
- Length of mile 80.00 ch.

- South to sec. 13 and 18, Over low rolling sand hills covered with scattering quercus wood bush and bunch grass.
- 40.00 Intersect the  $\frac{1}{4}$  sec. cor. which is a blue line stone  $7 \times 7 \times 4$  ins above ground firmly set, marked and witnessed as described in the original field notes.
- Course of line back to the sec. cor. North
- From the  $\frac{1}{4}$  sec. cor. I continue my line South to sec. 13 and 18
- 40.00 Intersect the cor. of sec. 13, 18, 19 and 24 which is a blue line stone  $10 \times 6 \times 5$  ins above ground firmly set, marked and witnessed as described in the original field notes
- Laid belly
- Soil sandy 3<sup>rd</sup> rate
- No timber

Retracement of the East Bdry. of Twp. 31 N. R. 11 E.  
Chains

Course of line back to the 1/4 sec. cor North  
Length of mile 8000 chs  
Nov 18<sup>th</sup> 1907

For authority for red ink corrections  
see letter of Nov. 16-1908

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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 \_\_\_\_\_  
 \_\_\_\_\_ 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 \_\_\_\_\_ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_ United States Surveyor General for \_\_\_\_\_, bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 190 \_\_\_\_\_, 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 \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_ meridian, in the \_\_\_\_\_ of \_\_\_\_\_, 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 \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

\_\_\_\_\_  
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 Nov. 27, 1908*

The foregoing field notes of the survey of *the retracement of the north and east boundaries of Twp. 31 North Range No. 11 East of the Gila and Salt River Basins and Meridian in the Territory of Arizona*

executed by *Oliver E. Blevins United States Examiner of Surveys* under his contract No. *1042*, dated *October 2nd*, 1907, 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*  
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.