

Book "C"  
Amended  
RE-SURVEY

(2)

BOUNDARIES

T. 19 N. - R 4 E

CONTRACT No 99

F. B. JACOBS

U.S.D.S. March 1904

No. 1414

1414

BOOK 1414

4-671

FIELD NOTES  
GENERAL LAND OFFICE.

No. 1414

X

Notes copied by Gunt 5/4/04  
" copy " Gunt sent 5/13/04

Corrections have been made in the list sheets 5/7/04  
by Gunt

No. 1414

BOOK 1414

Field Notes  
of the Resurvey of a  
portion of the

North and West  
Boundary of  
Township No 19 North  
Range No. 4 East  
of the  
Gila and Salt River  
Base and Meridian  
in the

Territory of Arizona  
as surveyed by

Francis B. Jacobs  
U.S. D.S. Compassman

Under Contract No 99

Dated June 30, 1902

Survey Commenced March 16, 1902

Survey Completed March 25, 1902

Names and duties of  
Assistants

Edwin S. Jones chairman  
Fred W. Evans chairman

BOOK 1414

	31	32	INDEX		34	35	36	
			33	17	14		10	9
1	6	5	4	3	2		1	20
12	22	7					12	7
13	24	18	T. 19 N.				13	18
			R 4 E.					
24	30	19					24	19
25	33	30					25	30
36	36	31	32	33	34	35	36	31
	6	5	4	3	2	1		

2A

PRELIMINARY OATHS OF ASSISTANTS.

We,

*Fred W Evans*

and

*Edwin S. Jones*

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 distance to all notable objects, and the true length 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 the

*Boundaries of  
S. 19 N. - R. 4 E.  
Corrections*

BOOK 1414

12 of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

13

*Fred W Evans*

Chainman.

*Edwin S. Jones*

Chainman.

2

Chainman.

2

Chainman.

Subscribed and sworn to before me this *15* day

3 of *March*, 190*4*.

*Francis B. Jacobs*

Notary Public.

[SEAL.]

*my commission  
Expires March 3, 1908.*

Series T. 19. N. T. H. E

Survey commenced  
March 18, 1904 and  
executed with a Gurley  
Sight mountain Transit  
(no number) with Burt  
Solar attachment.

The horizontal limb  
is provided with two  
double verniers placed  
opposite each other  
and reading to single  
minutes of arc, which  
is also the least count  
of the latitude and  
declination arcs.

The levels and line of  
collimation being in  
perfect adjustment, I  
proceed as follows to  
verify the adjustment

## Boundaries

of the Solar apparatus by comparing its indications resulting from solar observations taken during a.m. and P.m. hours, with a meridian determined by observations on Polaris:

At the  $\frac{1}{4}$  cor. on the South boundary of Sec. 33, Township No. 20 North Range No. 4. East, as before described.  
 latitude  $35^{\circ}04'31''$  N. longitude  $111^{\circ}51'06''$  W. I set off  $35^{\circ}5'11''$  on the lat. arc  $1^{\circ}35'S$ . on the decl. arc; and at  $3^h 40^m$  P.m. l.m.t. determined with the Solar w meridian and mark a point there of, on a stone firmly

T 19. N. TR. + E.

Set in the ground, 5. chs.  
N. of the cor. ✓

at 7<sup>h</sup> + 3<sup>m</sup> P.M. l.m.t.

I observe Polaris at  
Western elongation  
in accordance with  
Manual of Instructions,  
and mark a point on the  
line thus determined,  
on a plug driven in  
the ground, 5. chs. N.  
of the cor.

March 16, 1904

---

March 17: at 7<sup>h</sup> 30<sup>m</sup>  
a.m. l.m.t. I lay off the  
Azimuth of Polaris  
1° 29' to the East, and  
mark the meridian  
thus determined.



## Boundaries

by cutting a small groove in the stone set March 16. on which the meridian falls 0.2 ins. east of the mark determined by the Solar.

At 8<sup>h</sup> 15<sup>m</sup> a.m. l.m.t.

X I set off  $35^{\circ}5'N$  on the lat. arc;  $1^{\circ}19' S$  on the decl. arc. and mark a point in the meridian thus determined by the Solar by a cross on the stone already set 5. chs. N of the cor; this mark falls 0.2 ins. East of the meridian established by Polaris observation.

J. 19 N. - T. H. E.

The solar apparatus, by P.M. and A.M. observations, defines positions for meridians respectively about  $0^{\circ} 11''$  West and East of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at  $8^{\text{h}} 30^{\text{m}}$  A.M. is  $14^{\circ} 35'$   $\text{W}$ .

The angle thus determined gives the mag. decl.  $14^{\circ} 35'$   $\text{E}$ .

## Re-Survey North Boundary

From the  $\frac{1}{4}$  sec. cor.  
on the S. Bdy. of Sec. 33  
T. 20 N. - R. 4 E.

which is a malpais  
stone  $17 \times 8 \times 8$  ins. above  
ground properly marked  
and witnessed.

I run.

East on a random  
line along the S. Bdy.  
of T. 20 N. - R. 4 E.

Setting temp. sec. and  
 $\frac{1}{4}$  sec. cor. at intervals  
of 40. chs.

5 and at ~~276.69~~<sup>275.69</sup> chs,  
intersect E. bdy. of the  
Tps. ~~4.53~~<sup>4.62</sup> chs. S. of the  
Cor. of Tps. 20 N. R. 4 and  
5. E.

T. 19- N. R. 4 E.

The falling gualing  
131, etc per mile  
exceeds the limit  
prescribed for closing  
Sp. lines. I set.

A Malpais stone  
20x14x10 ins 15 ins. in  
the ground for S. E.  
cor. of T. 20 N- R. 4 E.  
Marked with 6 notches  
on N. and W. edges  
from which

A Pine 30 ins. in diam.  
bears N 31 1/2° W. 91 Ws. dist.  
Marked T. 20 N- R. 4 E. S. 36. B. T.

I obliterate the markings  
on the tree at the old cor.  
referring to this Sp. -

Mar. 17, 1904.

date

R<sub>E</sub> - Survey North Boundary

March 18. I set off  
 $0^{\circ} 52' S.$  on the decl. arc. and  
 at 12. m. l. m. t. observe  
 the Sun on the meridian  
 at the S. E. cor. of T. 20 N  
 R. 4. E. the resulting  
 latitude is  $35^{\circ} 5' N.$

March 18. at 1<sup>h</sup> P. m. l. m. t.  
 I set off  $35^{\circ} 5' N$  on the ~~decl~~<sup>lat</sup> arc  
 $0^{\circ} 52' S.$  on the decl. arc  
 and determine a true  
 meridian with the Solar  
 at the S. E. cor. of T. 20 N. R.  
 4 E. and run  
 Thence

West. on a true  
 line along S. bdy. Sec.  
 36. over mountainous,  
 land through heavy  
 timber

J. 19 N. - R. 4 E

8.00 Descend

12.50 Gulch 15  $\frac{1}{2}$  mile course N.W.

Ascend

20.00 Ridge bears S.E. and N.W.

Descend

37.00 Gulch 40  $\frac{1}{2}$  mile course

N  $20^{\circ}$  W.

Ascend

40.00 Set a malpais stone

18 x 14 x 8 ins. 12 ins. in

the ground for  $\frac{1}{4}$  Sec. cor.

marked  $\frac{1}{4}$  on N. face

from which

an ~~Old~~ <sup>30</sup> ~~Post~~ <sup>Post</sup> ~~is~~ <sup>is</sup> ~~in~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~direction~~ <sup>direction</sup>

bears N. <sup>130</sup> ~~60~~ <sup>39</sup> ~~E.~~ <sup>12</sup>  $\frac{1}{2}$  mile dist.

marked  $\frac{1}{4}$  S 36 B. T.

*There is no other tree marked for this  $\frac{1}{4}$  sec. cor.*

This  $\frac{1}{4}$  Sec. Cor refers to Sec. 36 only

## Re-Survey, North Boundary

The old  $\frac{1}{4}$  sec. cor bears  
N.  $2^{\circ}37'$  E. 414 lks. dist.

I destroy his cor. and  
obliterate markings on  
the B.Ts. here to. —

42.00 Ridge bears N. and S  
Descend

45.30 Gulch 30 lks. wide course N. E.  
Ascend.

63.00 Ridge bears N. and S  
Descend

80.00 set a Malpais stone  $24 \times 12 \times 8$   
ins. 18 ins. in the ground  
for cor. of Secs. 35 and 36  
marked with 1 notch on  
E. and 5 notches  
on N. edge. from which

T. 19. N. R. 4 E.

a Pine 30 ins. in diam.  
bears N. ~~59°~~<sup>46°</sup> E. ~~188~~<sup>112</sup> lks. dist.

Marked T 20 N-R 4 E. S 36. B.T.

A Pine 24 ins. in diam.  
bears N. ~~42°~~<sup>42</sup> N. ~~123~~<sup>155</sup> lks. dist.

Marked T, 20 N-R, 4 E S. 35 B.T.

The old sec. cor. bears  
N. 20° 15' E. 339. lks. dist.

which I destroy and  
obliterate markings on  
the B.Ts. thereto.

Land Mountainous  
Soil 4<sup>th</sup> rate

Timber Pine. Some Oak  
mountainous and  
heavily timbered land  
80.00 ahs.

March 18. 1904

---



Re - Survey, North Boundary

March 19: at 7<sup>h</sup> a.m.  
 l.m.t. I set off - <sup>35</sup>35° 5' N.  
 on the lat. arc; 0° 31' S.  
 on the decl. arc. and deter-  
 mine a true meridian  
 with the solar. at the  
 cor. of Secs 35 and 36.  
 and run  
 thence West,  
 along the S. bdy. of Sec.  
 35.

over mountainous  
 land through heavy  
 timber

Descend

20.25 Gulch 200 ft. wide course N.W.

Ascend

38.00 River of Sycamore  
 Cañon bears N.E. and S.W.

Descend

T. 19 N. - R. 4 E

40.00 Set a Malpais stone 18 x 10 x 6 ins.  
12 ins. in the ground for  $\frac{1}{4}$   
sec. cor. marked  $\frac{1}{4}$  on N face.  
from which  
all can be ins. in diam.  
bears N ~~21 $\frac{1}{2}$~~ <sup>57 $\frac{1}{2}$</sup> ° E ~~96~~<sup>95</sup> lbs. dist.  
marked  $\frac{1}{4}$  S. 35 B.T.

I raise mound of stone  
2 1/2 ft. base 3 ft. high N of cor.  
pits impracticable

The old  $\frac{1}{4}$  sec. cor.  
bears N. 38° 10' E 286 lbs. dist.  
which I destroy and  
obliterate markings on  
B.T. there to.

80.00 Set Sandstone 20 x 14 x 5 ins.  
15 ins. in the ground for  
cor. of Secs 34 and 35  
marked with 2 notches  
on E. and 4 notches on

## R.E. Survey North Boundary

N. edge from which  
 a cedar 10 ins. in diam.  
 bears N 15° E 166 lbs. dist.

Marked T 20 N. R 4 E. S. 35 B. T.  
 raise mound of stone 3 ft base 2 ft  
 high N. of cor.

Pits impracticable

The old sec. cor. bears  
 N 60° E 317 lbs. dist.  
 which I destroy  
 and obliterate markings  
 on the B. T's. there to.

Land Mountainous  
 Soil of, rate  
 Timber Pine Oak and Cedar  
 Mountainous and  
 heavily timbered land  
 80.00 sh

This noon it was snowing  
 so I could not get an observation  
 on the sun for latitude

J. 19. N- R- 4- E

West

along the S. Side  
of Sec 34.  
Descend into Dycamow  
Cañon through  
dense undergrowth

9.75 Descend over very  
steep bluffs

29.30 Bottom of Dycamow  
Cañon 2 chs. wide and  
about 1,000 ft. deep  
course S. 15° E.

31.50 Ascend

40.00 Set a Limestone 20x12x7  
ins. 15 ins. in the ground  
for  $\frac{1}{4}$  sec. cor. marked  
 $\frac{1}{4}$  on n. face and  
raise mound of stone  
3 ft. base 2 ft high  
N. of cor. Pits impracticable

No. Survey N. Boundary J. 19 N-R 4E

old  $\frac{1}{4}$  sec. cor bears  
N.  $66^{\circ}$  E, 378. lks.

which I destroy  
March 19. 1904.

March 21. at 8<sup>h</sup> 20m am  
l.m.t. I set off  $35^{\circ} 5' N.$  on  
the lat. arc;  $0^{\circ} 16' N.$  on the  
decl. arc and determine  
a true meridian with  
the solar and continue  
the line West but does  
3 and 34.

8000 Set a Malpais stone  
 $20 \times 10 \times 4$  ins. 12 ins in the  
ground for cor. of Sec.  
33 and 34. Marked  
with 3 notches on E.  
and west edges from  
which

Pine 20 ins. in diam.  
 bears N 34° W. 38 lbs. dist.

Marked T. 20 N. R. 4 E S 33. B.T.  
 vacant ground of stone 2 1/2 ft <sup>high</sup> 1 1/2 ft <sup>wide</sup> W of cor.  
 Laurel Mountains

Soil +, note

Timber scattering Pine  
 and oak

Mountainous land  
 and land covered with  
 dense undergrowth  
 80.00 chs

---

March 21. at this cor. I  
 set off 0° 19' N. on the decl.  
 arc, and at 12<sup>th</sup> <sup>of the decl. arc</sup> observed the  
 Sun on the meridian the resulting  
 lat. is 35° 5' N. —

Nest.

along S. bdy. of Sec. 33.  
Over mountainous land  
through dense undergrowth  
Ascend

1.79 The witness cor. for Secs.  
33 and 34. which I  
destroy.

3.25 Malpais River, and N.  
bank of Sycamore Cañon.  
bear S. E. and N. W.  
Descend

29.50 Gulch 1 ch. wide course S. 20° E.  
Ascend.

35.69 The  $\frac{1}{4}$  Sec. cor. on S. bdy. of  
Sec. 33. —

Land mountainous  
Dense f. rate

Timber scattering Pine  
oak and cedar

Mountainous land  
and land covered with  
dense undergrowth

3.5.69 ch

March 21. 1904.

---



22

amended

BOOK 1414

Re Survey, West Boundary

March 24: at 7<sup>h</sup> am  
 l.m.t. I set off  $35^{\circ}4'N$   
 on the lat. arc.  $0^{\circ}40'N$   
 on the decl. arc and  
 determine a true  
 meridian with the  
 solar at the  $\frac{1}{4}$  sec.  
 cor. on the W. bdy. of  
 Sec. 7. S 19 N. TCH E.  
 as hereto fore described  
 and run thence

South

bet. Secs. 7 and 12

18.90 Witness Point which  
I destroy.Edge of Lee Canon  
bear E. and W.

Descend

40.00 Set Limestone  $20 \times 10 \times 5$   
 ins 15 ins. in the  
 ground for cor. of

J. 19-N- R-4 E.

Secs. 7-12-13 and 18  
 Marked with 2 notches  
 on N. and 4 notches  
 on S. Edges  
 and raise mound  
 of stone 3 ft. base. 2 ft.  
 high W. of cor.

Pitt impracticable.  
 The old Sec. cor  
 bears N.  $89^{\circ}40'$  W  $295$  Ms.  
 dist. which cor. I  
 destroy.

Land mountainous  
 Soil 4, rats

Timber scattering  
 Pine and cedar

mountainous land  
 40,000 ac

---

Re. Survey. West Boundary

S.  $12^{\circ}$  W. on a  
random line bet.

Deeds 13 and 18.

Descend through dense  
oak brush

9.50 Bottom of Lee Cañon

course S. E.

11.50 Ascend

37.60 Top of rim of Lee  
Cañon bears S.E. and N.W

40.64 The  $\frac{1}{4}$  sec. cor. bears N.  
17. lks. dist. Therefor  
the true bearing of this  
line is

S.  $12^{\circ} 15'$  W.

Sand Mountainous

Soil 4, rate

Timber scattering Pine

J. 19-N-R-H-E

Mountainous land

40-64 chs

March 22. 1904

---

## Re. Survey. East Boundary

March 23, at 8<sup>h</sup> a.m.  
 l.m.t. I set off  $35^{\circ} 4' N$  on the  
 let. arc  $1^{\circ} 3' N$  on the  
 decl. arc and determine  
 a true meridian with  
 the solar at the  $\frac{1}{4}$  sec  
 cor. on the E. bdy of sec  
 1 - T. 19 N - R. 4 E and  
 run thence  
 North

bet Secs. 1 and 6  
 Over mountainous  
 land and through  
 heavy timber

T. 19 N. R. 4 E

33 44

33 44

Intersect S. bdy. T. 20 N.  
 R. 4 E. at 9.75 chs W.  
 of the S. E. cor. of said Sp  
 where I set a  
 Malpaisstone 20x12x8  
 ins. set 15 ins. in the  
 ground for cor. of Sp.  
 19 N. R. 4 and 5 E.  
 marked with 6 notches  
 on S and W edges  
 from which  
 a Cedar 16 ins. in diam.  
 bears S. 45° E. 110 yds. dist.  
 marked T. 19 N. - R. 5 E S. 6 B.T.  
 a Pine 30 ins in diam  
 bears S 28° W 54 yds. dist

amended  
 Re. Survey East Boundary

Marked T. 19 N. R 4 E S 1. B.T.

the old sp. cor. bears

N. 4.36 chs which cor.

I destroy

Land mountainous

Soil H. rate

Timber Pine Oak. and cedar

Mountainous and

heavily timbered land

33,414 chs.

March 23. 1904

T. 19. N. R. 4 E.

Note.

It is apparent that there is an error in the measurement of either the E. or W. bdy. of T. 19. N. R. 4 E. and as I have previously chained the entire E. bdy twice I conclude the error must be in the South 3 miles of the W. bdy. which I proceed to retrace. Surveyed by me under this contract.



## Retracement West Boundary

March 24. 1904: at 10.<sup>15</sup> a.m.

I set off  $35^{\circ} 2' N.$  on the  
lat. arc;  $1^{\circ} 28' N.$  on the

decl. arc and determine

a true meridian with  
the Solar at the cor.

of Secs 18 and 19 on the  
West bdy. of the T<sup>p</sup>. which  
is a marblestone  $8 \times 12 \times 10$

ins above ground firmly set, and  
marked and witnessed

by <sup>me</sup> described by the  
Surveyor General

and run thence South  
along W.- bdy. of Sec. 19.

Over mountainous  
land, through dense  
undergrowth

100 Descend

J. 19 N. R. 4 E.

- 21.50 Bottom of Cañon 600 ft.  
deep bears S. E.  
Asced.-
- 39.76 The 1/4 Sec. cor. a  
Limestone 10 x 12 x 6  
ins above ground fully  
set, marked 1/4 on W. face  
from which  
a Pipe 10 ins. in diam  
bears S 65° E. 90 lbs. dist.  
marked 1/4 S-19-B.T.  
and raise mound of  
stone 2 1/2 ft base 1/2 ft high  
N. of cor.  
Dits impracticable
- 49.00 Ridge bears E. and W.  
Descend very abruptly

## Reo tractament. West Boundary

79.52 Feet of cliff 100 ft. high  
 of limestone  $8 \times 12 \times 6$  ins.  
 for cor. des. 19 and 30  
 above ground, firmly  
 set and marked with  
 4 notches on N and 2  
 notches on S. edges

From which

a Pine 6 ins. in diam.

bears S.  $65^{\circ}$  E. 35 cks. dist.  
 marked T 19N-RHE S 30 RT.

with mound of stone  
 $2\frac{1}{2}$  ft base  $1\frac{1}{2}$  ft. high W.  
 of cor.

Pite impracticable

Land mountainous

Price 4. rate

Timber consisting Pine  
 and cedar.

Mountainous land and  
 Soil covered with dense  
 undergrowth 79.52 Chs.

J. 19 N. - R. 4. E.

March 21. at this cor.

X I set off  $1^{\circ}30'N$ , on the  
 decl. arc, and at  $12^{h}5^{m}$

O.m. l.m.t., observe the

Sun on the meridian;

the resulting lat. is  $35^{\circ}21'N$

---

South-

along W. Secy.

Sec. 30

Over mountainous land

Through dense undergrowth

Descend steep mountain

22.00 Bottom See Cañon 1500

ft. deep. course E.

Ascend steep bluff

39-77 The  $\frac{1}{4}$  Sec. cor. a Sandstone

$8 \times 12 \times 6$  ins. above ground

formerly set and marked

$\frac{1}{4}$  on W face

R<sub>8</sub> Tracement West Boundary

with mound of stone  
2 1/2 ft. base 1 1/2 ft. high W. of  
cor. Pits impracticable

55-00 Top of Butte.

Descend.

68.25 Bottom of cañon 1000 ft. det.  
course S. E

Ascend.

73-00 Top. Descend

78.20 Foot of bluff.

79-53 The cor. of Secs. 30 and 31

a Sandstone 8 x 12 x 7 in.  
for cor. Secs. 30 and 31  
above ground, marked

with 5 notches on N. and  
1 notch on S. edges

From which

a cedar vine, in diam.,

bears N. 36° W. 33 1/2 m. dist.

marked T. 19 N.-R. 3 E. S 25. B.T.

with mound of stone 3 ft. base

BOOK 1414

T. 19 N. - R. 4. E.

2 ft. high N. of cor.

Pets impracticable  
 as this cor. does not  
 refer to Sec 25 and 36  
 I obliterate the markings  
 on the bearing tree.

Land very mountainous  
 Soil H. rate.

No Timber

Mountainous land and  
 land covered with dense  
 undergrowth

79-53 obs

March 24, 1904

R<sub>6</sub> Tracement West Boundary

March 25; at 7<sup>h</sup> 30<sup>m</sup> a.m.  
 l.m.t. I set off 35° 21' N. on  
 the decl. arc; 1° 50' N. on  
 the decl. arc; and determine  
 a true meridian at the  
 cor of sec 30 and 31 and  
 run thence

South

along W. bdy. of sec.  
 31.

over mountainous land  
 through dense undergrowth.  
 Ascend

22.00 Gulch 30 ft. wide  
 course S. E.

Ascend steep slope

39.75 The 1/4 sec. cor. a  
 Sandstone 6x12x6 in.,  
 above ground firmly  
 set and marked 1/4 on

T 19 N. - R. 4. E.

W. face - with mound  
of stone 2 1/2 ft. base 1 1/2 ft high  
N. of cor.

Pits impracticable.

52.50 High ridge bears S. E. and N. W.  
Descend

76.00 Gulch 20 lbs. wide course S. E.  
Ascend

79.50 The <sup>S.W.</sup> cor. of the 19. N R 4. E  
a sandstone 16 x 12 x 8  
ins. above ground in  
a mound of stone  
marked with 6. notches  
on N. E. and S. Edges

From which

a Pipe 4 ins. in diam  
bears N 67° E. 111 lbs. dist.

marked T 19 N - R 4 E S 31 B. T.

with mound of stone 3 ft base 2 ft  
high E. of cor. Pits impracticable



T. 19 - N - R. H. E.

Boundaries of  
T. 19 N - R. H. E.

Satitudes, Departures and  
closing errors.

Line	Course	Distance	Latitudes.		Departures.	
			N.	S.	E.	W.
West Bay.	North	238.55	238.55			
" "	N. 1° 37' E	39.74	39.72		1.13	
" "	N. 12° 15' E	40.64	39.71		8.62	
" "	North	79.79	79.79			
" "	N 0° 20' W	39.70	39.70			
" "	North	39.60	39.60			
North "	S 89° 50' E	80.10		.23	80.10	
" "	S 89° 32' E	42.46		.32	40.06	
" "	S 89° 30' E	40.11		.35	40.11	
" "	S 89° 50' E	40.00		.12	40.00	
" "	East	265.94			265.94	
East "	South	473.44		473.44		
South "	West	478.98				478.98
Convergency					.57	
			<del>477.00</del> 477.03 4.47	474.47	476.47	479.21 76.47
	ERROR in Lat.		2.56	ERROR in Dep.		2.74

James B. Jacobs  
U. S. & S. Compassman  
Rome April 20. 1904

LIST OF NAMES. BOOK 1414 40

A list of the names of the individuals employed by.....

Francis B. Jacobs, Compassman

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 the

Boundaries of  
T. 19 N. - R. 4 E.  
Concho Co.

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, showing the respective capacities in which they acted.

Fred K. Evans, Chainman.

Edwin Jones, Chainman.

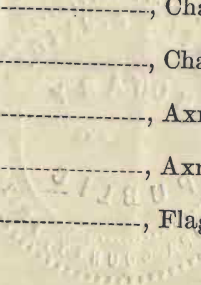
....., Chainman.

....., Chainman.

....., Axman.

....., Axman.

....., Flagman.



FINAL OATH OF ASSISTANTS.

41  
We hereby certify that we assisted Francis B. Jacobs, Cashier  
United States Deputy Surveyor, in surveying all those parts or portions  
of the

Boundaries of  
J 19 N. R. 4 E.  
Corrections

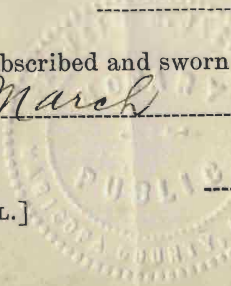
**BOOK 1414**

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as 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 Arizona.

Fred W. Evans ..... Chainman.  
Edwin S. Jones ..... Chainman.  
..... Chainman.  
..... Chainman.  
..... Axman.  
..... Axman.  
..... Flagman.

Subscribed and sworn to before me this 26. — day  
of March, 1904

[SEAL.]



Francis B. Jacobs  
My commission  
expires March 3, 1908. Notary Public.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

47

I, Francis B. Jacobs, United States  
Compassman for Andrew Barry A. S.  
Deputy Surveyor, do solemnly swear that in pursuance of a contract  
received from Hugh H. Price, United States  
Surveyor-General for Arizona, bearing date of the thirtieth

day of June, 1902, 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 Ari-  
zona, the Manual of Surveying Instructions, and the laws of the United

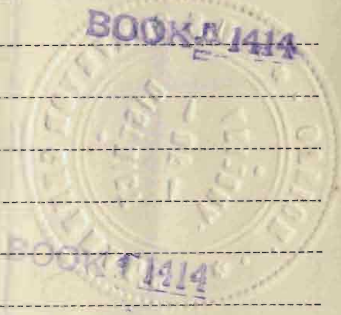
States, surveyed all those parts or portions of the Remedies  
of T19n R4E, (corrections)

BOOK 1414

BOOK 1414

BOOK 1414

BOOK 1414



of the Gila and Salt River Base and Meridian, in the Territory of Ari-  
zona, as are represented in the foregoing field notes as having been sur-  
veyed by me and under my direction; and I do further solemnly swear  
that all the corners of said survey have been established and perpetu-

43

ated in strict accordance with the Manual of Surveying Instructions,  
special instructions of the United States Surveyor-General for Arizo  
and in the specific manner described in the field notes, and that the fo  
going are the TRUE field notes of such survey; and should any fraud  
detected I will suffer the penalty of perjury, under the provision  
an act of Congress approved August 8, 1846. /

*Francis Jacob*  
Comptroller S. Deputy Survey  
/

Subscribed and sworn to before me this  
of *May*, 190*4*

*Frank D. Lyalls*  
U. S. Surveyor General  
for Arizona.



BOOK 1414