

1603

1

*T. 18 S. R. 24 E.*

*North and South  
Boundaries*

1603

4-671

BOOK 1603

**FIELD NOTES**  
GENERAL LAND OFFICE.

1603

1603

BOOK 1603 1

Field Notes  
of the Survey of the  
North & South  
Boundaries

of  
Twp. 18 South Range 24 East,  
of the  
Gila and Salt River  
Meridians  
in the  
Territory of Arizona  
as Surveyed by  
John A. Rockfellow  
U.S. Deputy Surveyor  
Under his Contract No 47  
Dated May 21, 1898.

Survey commenced  
Nov 10, 1898

Survey completed Nov 22, 1898

BOOK 1603

(4-674.)

Township 18 S R. 24 E

North Body

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

11

10

8

7

5

22 20 16

South Body



2

Preliminary Oaths of Assistants.

We, *Robert W Nourse*  
 and *Abraham B Ruiz*  
 do solemnly swear that we will well and faithfully  
 execute the duties of Chain Carriers; 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 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 the *Boundaries*  
*of T. 18 South, Range*  
*24 East*

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

*Robert W Nourse* Chainman.

*Abraham B Ruiz* Chainman.

Chainman.

Chainman.

Subscribed and sworn before me, this *10<sup>th</sup>*

day of *November* 189*8*

*John A Rockefeller*  
 Notary Public.  
 U.S. Deputy Surveyor

[SEAL.]

No officer authorized to administer oaths available without great inconvenience

We, John Fitch and 3Jose Valenciado solemnly swear that we will well and truly perform the duties of Minerand Flagman

in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the

Boundary ofTp. 18 SouthRange 24 East

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

John FitchJose ValenciaSubscribed and sworn to before me this 10<sup>th</sup>day of November 1898John A. Rockfellow

Notary Public.

in witness whereof, other than myself  
since, delay and expense.

N. Bdy, Tfr 18 S. R. 24 E.

Survey commenced Nov 10  
1898, & executed with a  
Young & Sons Light  
Mountain Transit No 10.  
Instrument No 6855.

The horizontal limb is  
provided with two  
verniers placed opposite  
each other, reading  
to single minutes, the  
least count of verniers  
~~of verniers~~ of the latitude  
& declination arcs.

The instrument was  
examined and tested  
by the Surveyor General  
of Arizona on the meridian  
of Tucson & was approved  
by him, July 7, 1898



N. Bdy. Tfr. 18 S. R. 24 E.

clus

at cor of Tfrs 17+18 S R  
24+25 E, at 10-10<sup>to min</sup> a.m.  
l.m.t. I set off  $31^{\circ}54'$   
on lat arc +  $17^{\circ}17'$  S on  
decl arc + determine a  
true meridian with  
Solar.

I find that it coincides  
with the meridian estab-  
lished by me at this  
point last August.  
Mean magnetic Decl'  
 $12^{\circ}35'E$ .

Thence I run <sup>West</sup> on  
tangent line S of sec 36.  
Over level mesa.

31.01 Old road br N W + S E.  
40.00 At 0.10 ft from the tangent,  
Set quartz rock  $10 \times 12 \times 10$  ins  
10 ins in ground for

N. Bdy, T. fr. 18 S. R. 24 E.

- |       |  |
|-------|--|
| chs   | <p>1/4 sec cov, marked<br/>           1/4 on N face; dig pits<br/>           18x18x12 ins E + W of cov<br/>           3 ft dist + raise mid<br/>           of earth 3 1/2 ft base<br/>           1 1/2 ft high N of cov.</p>   |
| 43.30 | Road from Pearce to<br>Cochise Canon brs N + SE.   |
| 46.20 | Old trail brs N + S.   |
| 80.00 | N 0.42 ft from the tangent.<br>Set quartz rock 20x12x8 ins<br>15 ins in the ground for<br>cov secs 1, 2, 35 + 36,<br>Marked with 1 notch<br>on E + S on N edges.<br>Dig pits 18x18x12 ins in<br>each sec 5 1/2 ft dist,<br>Raise mid of earth<br>4 ft base 2 ft high W of cov.<br>Soap weeds scattering. |



N. Bdy, Tfr. 18 S.R. 24 E. 7

cho  
 Grass good  
 No timber or brush.  
 Land level,  
 Soil sandy loam, 2<sup>d</sup> rate

N. 89° 59' W.

on <sup>day</sup> tangent line  
 S. of sec 35-

On level mesa.

40.00 N. 0. 90 ft from the tangent.

Set post, 4x4 in sq, 3 ft long  
 of Oregon pine, with marked  
 rock 24 ins in ground,  
 for 1/4 sec cor, marked on  
 W. face 1/4 S. 35- + on S. 2.

Dig pits 18x18x12 ins  
 E & W of post 3 ft dist.  
 + raise mid. of earth  
 3 1/2 ft base 1 1/2 ft height of cor.

80.00

N. 66 ft from tangent  
 Set granite rock 16x6x6 ins

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BOOK 1603

N. Bdy, Tfr 18 S.R. 24 E.

cls

10 ins in ground for  
 cor sec 2, 3, 34 + 35 -  
 marked with 2 notches  
 on E + four on W edges.  
 Dig pits 18X18X12 ins in  
 each sec 5 1/2 ft dist.  
 Raise mid of earth  
 4 ft base 2 ft high  
 W of cor.  
 Land level mesa.  
 Soil sandy loam  
 2<sup>nd</sup> rate.  
 Scattering soap weeds  
 Good grass.

---

N. 89059' W

W on tangent line

Soil sec 34.

Old level mesa.

18.16 Cross gulch 20 to wide

A. Bdy, Twp. 18 S R. 24 E. 9

- ch  
 18.32 Course S W + N E.  
 Steep ascend 10 ft high.  
 18.80 Level mesa.  
 20.00 At 2.5-8 ft from the tangent  
 Sit quartz rock 14 X 10 X 8 ins  
 9 ins in ground for 1/4 sec  
 cov, marked 1/4 on N face.  
 Dig pits 18 X 18 X 12 ins E + W  
 of cov, 3 ft dist.  
 Raise end of earth  
 3 1/2 ft base 1 1/2 ft high  
 N of cov.  
 80.00 At 3, 75 ft from the tangent  
 Sit quartz rock 16 X 10 X 8 ins  
 10 ins in the ground  
 for cov sec 3, 4, 33 + 34  
 Marked with 3 notches  
 on E + 3 on W edges.  
 Dig pits 18 X 18 X 12 ins in  
 each sec 5 1/2 ft dist.



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BOOK 1603

N. Bdy. Tfr: 18 S.R. 24E.

cls

of earth

Raise ind. 4ft base

2ft high N. of cov.

Land rolling

Soil sandy loam,

2<sup>nd</sup> rate.

Scattering soap weeds.

Good grass

---

N. 87° 58' W.

N on tangent line

S of sec 33.

Over rolling ground.

8.00

Road to Grapevine Canon  
br N + S E.

14.37

Road br N + S.

40.00

At 5.07ft from tangent.

Set quartz rock 14x8x6 ins

9 ins in ground for 1/4 sec

cov. marked 1/4 on N

face.

Dig pits 8x8x2 ins E + N

N. Bdy. Twp. 18 S.R. 24 E. 11

chs of cov, 3 ft dist.  
 Raise mid of earth  $3\frac{1}{2}$  ft base,  $1\frac{1}{2}$  ft high N of cov.  
 46.62 Road to Pidwell Ranch  
 brs N S W + E N E.  
 80.00 N 6.65 ft from tangent  
 Set granite rock  $16 \times 8 \times 6$  ins  
 10 ins in the ground for  
 cov secs. 4, 5, 32 + 33.  
 Marked with 4 notches  
 on E + 2 on W edges.  
 Dig pits  $18 \times 18 \times 12$  ins in  
 each sec,  $5\frac{1}{2}$  ft dist.  
 Raise mid <sup>of earth</sup> 4 ft base  
 2 ft high W of cov.  
 Nov. 10, 1898.

Nov 11, 1898

N. 89958. W

W on tangent S sec 32,  
 9.65 Road brs N + S.

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N. Bdy. Twp. 18 S. R. 24 E.

BOOK 1603

- 19.40 Ascend Soonan Ridge  
very abrupt, course  
N + S.
- 22.00 Pidwell's windmill about  
20 chs S.
- 23.29 Top of ridge.  
Pidwell's windmill brs  
S 10°-14° E.
- 24.00 Very abrupt descent.
- 27.37 Gulch, course ~~N + S~~ <sup>South</sup> at  
foot of ridge.  
Ascend.
- 28.00 Ridge, course N + S.
- 30.25- Gulch 60 lks wide  
course ~~N + S~~ <sup>South</sup>
- 37.00 Ridge, course N + S.  
Gentle descent.
- 40.00 At 8.41 ft from tangent.  
The cor falls upon gran-  
ite boulder 8 x 4 x 3 ft.



cls	above ground, which I mark with cross (X) + 1/4 on N + raise monument of stones 3 1/2 ft base + 2 1/2 ft high N of cor. Pits infracticable.
41.70	Gulch 20 lks wide, course <del>N</del> South Ascend high ridge.
46.66	Summit of ridge.
57.40	Wash 30 lks wide course <del>N</del> South Ascend.
59.00	Low ridge + descend.
60.00	Wash 30 lks wide course <del>N</del> South Ascend ridge course N + S.
61.00	Top of ridge.

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N. Bdy, T<sub>1</sub> 18 S. R. 24 E.

BOOK 1603

- |       |   |
|-------|---|
| cls   | Descend.  |
| 62.10 | Wash 20 lks wide,<br>course <del>N</del> + S. <sup>out</sup> W<br>Ascend ridge 10 ft high.  |
| 63.00 | Summit + descend.   |
| 68.85 | Big wash 1 ch wide<br>course <del>N</del> + S E.  |
| 70.00 | Gradual ascent.   |
| 71.80 | Descend.  |
| 73.20 | Wash 1 ch wide course <del>N</del> + S. <sup>out</sup>  |
| 78.00 | Over point of mountain.<br>Descend.   |
| 80.00 | At 10.38 ft from tangent.<br>Set granite rock 14x8x6 ins<br>9 ins in ground for cov<br>secs 5, 6, 31 + 32.<br>Raise monument <sup>of stones</sup> 3 1/2 ft<br>base + 2 1/2 ft high<br>It of cov.<br>Pits impracticable. |

A. Body, Tfr. 18 S.R. 246

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BOOK 1603

At this point the  
mountains become  
high + precipitous.

As no agricultural  
land is beyond I dis-  
continue A body of Tfr.

Land mountainous.  
Soil rocky, 2, 3 + 4 rate.

Some brush.

Stumps indicating  
timber cut off.

Grass.

Mountainous land

60.60 chs



16 S. Bdy. Tps 18 S R 24 E.

BOOK 1603

cls

At cor Tps 18 + 19 S R  
24 + 25 E. at <sup>in min</sup> 1-45 P.M.  
l. m. t. I set off  
31° 49' on lat arc + 1736'S  
on decl arc, + de-  
termine a true merid-  
ian with Solar.

I find that it coincides  
with the meridian  
established by me  
at this point last Aug.  
Thence I run it on  
tangent line S of  
sec. 36.

Ascend.

3.30 Low ridge, course N W + S E.  
Ascend along ridge.

10.00 Descend.

16.00 Reach bottom.

Ascend.

- |       |  |
|-------|--|
| 17.82 | Summit of sandstone ridge, course N W + S E.<br>Descend.   |
| 25.00 | Abrupt descent of 6 ft   |
| 26.00 | Enter flat   |
| 30.00 | Ascend low ridge<br>Course N W + S E.  |
| 37.50 | Summit of ridge<br>course N W + S E.<br>Follow up ridge  |
| 40.00 | N. O. 10 ft from tangent<br>Set sandstone 16 X 12 X 0 ins<br>10 ins in ground for $\frac{1}{4}$<br>see cov, marked $\frac{1}{4}$ on<br>N face<br>Dig pits 18 X 18 X 12 ins<br>E + W of cov, 3 ft dist.<br>Raise ind. <sup>at depth</sup> $3\frac{1}{2}$ ft base<br>$1\frac{1}{2}$ ft high N. of cov. |
| 42.00 | Abrupt descent of 4 ft   |

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BOOK 1603

BOOK 1603

S. Bdy, Twp. 18 S. R. 24 E.

BOOK 1603

chs

~~Course N W + S E.~~

43.23

Enter wash

~~Course N W + S E.~~

44.30

Leave wash, course ~~N W~~ + S E.

Ascend.

46.40

Abrupt descent of 2 ft.  
into wash.Course ~~N W~~ + S E.

47.36

Leave wash, course ~~N W~~ + S E.

Ascend.

50.33

Descend into wash.

Course ~~N W~~ + S E.

51.30

Leave wash.

52.14

Steep ascent of 14 ft over  
low ridge.

61.90

Steep descent of 6 ft.

62.50

Enter flat.

64.90

Enter wash.

Course ~~S W~~ + N E.

65.70

Leave wash.



S. Bdy, Twp 18 S. R. 24 E. 19

BOOK 1603

chs

Steep ascent of 5 ft.  
Over mesa.

80.00

At 0.42 ft from tangent  
Set granite rock 18x9x4 in  
12 in in ground for cor  
secs 1, 2, 35 + 36.

Marked with 1 notch on E  
+ 5 on W. edges; dig pits  
15x18x12 in in each sec  
+ raise <sup>of earth</sup> mid 4 ft base +  
2 ft high W of cor.

Windmill of Hudson  
Ranch br 93° 24' W  
dist about 45 chs.

Chimney of Hudson Ranch  
house br 810° 15' W about  
40 chs dist.

Land rough + rocky.  
No timber.

Soil 2 + 3 rate.

20 S. Bdy, T<sub>1</sub>r 18 S. R. 24 E

obs

Some brush.  
Some grass

N. 89° 35' W

How tangent line  
S. of sec 35.

Ascend over mesa.

5.95- Road to South Pass  
brs NE + SW.

18.00 Ascend mountain.

28.00 Summit of mountain  
course NE + SE.

Descend.

40.00 At 0.92 ft from tangent  
Set porphyry rock 16x10x  
5 ins, 10 ins in ground  
for 1/4 sec cov, marked 1/4  
on N face.

Raise monument of rocks  
3 ft base 2 1/2 ft high  
N. of cov.

- cho Pits impracticable.
- 47.00 Foot of mountain  
Entirely rolling land.
- 68.88 Old road <sup>from</sup> Pearce Ranch  
to <sup>South, Page</sup> ~~Four~~ ~~stones~~ brs N + S.
- 80.00 N 1.66 ft from tangent,  
Set sandstone 13x8x6 ins  
8 1/2 ins in ground for cor  
secs 2, 3, 34 + 35. marked  
with 2 notches on E + 4 on W edge.  
Dig pits 18x18x12 ins in each  
sec 3 1/2 ft dist, raise mid  
of earth 4 ft base, 2 ft high  
W of cor.  
Land, part mesa +  
part mountainous.  
Soil 1, 2, 3 + 4 rate  
No timber  
Some weeds +  
grass.



22 S Bdy Twp 18 S R 24 E

BOOK 1603

chs

Mountainous land,  
29 chs.

Nov. 11, 1898.

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Nov. 12, 1898.

N. 77° 59' W.

~~It~~ on tangent line

S. sec. 34.

Overrolling ground.

4.70 Old road b/c S.E. + N.W.

17.00 Mountainous.

18.10 Gulch 5-6ks wide,  
course ~~S.W.~~ + N.E.

Abrupt ascent.

18.25 Gradual ascent.

30.50 Descend into gulch.  
course ~~S.W.~~ + N.E.

32.00 Ascend to summit of ridge.  
course S.W. + N.E.

Abrupt descent.

32.08 Wash, course S.W. + N.E.

cls	Abrupt ascent.
33.50	Gradual ascent.
36.00	Ascend ridge, course S W + N E.
36.50	Summit ridge course S W + N E.
37.00	Abrupt descent of 3 ft.
38.00	Ascend
40.00	Abrupt ascent At 2.5-8 ft from tangent Set limestone 14x8x5-in 9-in. in ground for $\frac{1}{4}$ sec cov, marked $\frac{1}{4}$ on N face. Raise stone monument 3 ft base $2\frac{1}{2}$ ft high top cov. Pto impracticable.
44.00	Descend into wash course <del>S W</del> + N E.
44.46	Center of wash, Ascend.

24. S. Bdy, T<sub>1</sub>, 18 S. R. 24 E.

BOOK 1603

- |        |  |
|--------|--|
| 45.00  | Summit of ridge.<br>course S W + N E.                      |
| 48.00  | Descend into wash,<br>course <del>S W</del> + N E          |
| 48.30  | Center of wash,<br>course <del>S W</del> + N E.            |
| 49.00  | Summit of ridge<br>course. S W + N E.                      |
| 5-3.86 | Descend into wash<br>course S W + N E.                     |
| 5-4.56 | Center of wash<br>course <del>S W</del> + N E.<br>Ascend.  |
| 5-5.00 | Summit of ridge<br>course S W + N E.                       |
| 5-7.00 | Descend into wash.<br>course S W + N E.                    |
| 5-7.70 | Center of wash,<br>course <del>S W</del> + N E.<br>Ascend. |



S. Bdy, Twp. 18 S. R. 24 E.

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BOOK 1603

64.00	Descend. Spring in clump of ash trees br N 1 ch dist.
66.54	Abrupt descent of 4 ft.
66.64	Ridge, course S. W. + N. E.
66.74	Narrow wash course S. W. + N. E.
66.87	Ridge course S. W. + N. E.
74.60	Steep descent of 20 ft.
74.93	Bottom. course S. W. + N. E.
75.00	Abrupt ascent of 18 ft. Very rocky.
78.00	Small wash, course N. W. + S. E.
78.70	Steep ascent of 12 ft. Over boulders.
79.00	Gradual ascent.
80.00	N 3.75 ft from tangent. Set limestone 18x10x8 ins.

26

S Bdy. Tfr 18 SR 24 E

BOOK 1608

12 ins in ground for  
cor secs 3, 4, 33 + 34.

Marked with 3 notches  
an E + 3 on W. edges.

Raise monument of  
stones 3ft base 2 1/2 ft high  
N of cor.

Pits impracticable.

Land rolling +  
mountainous.

Soil, some 2 + 3 rate.

No timber.

Little brush, much cactus.

Some grass.

Mountainous land.

C. S. Cro.

From this cor Dos Cabezas  
peak be N 31° E. +  
highest peak of

S. Bdy, T<sub>18</sub> S. R. 24 E.

BOOK 16037

BOOK 1603

Chiricahua Mts  
brs N 86°-45'-E.

at this cor the as-  
cent of main ridge  
Dragoon Mts becomes  
very precipitous.

as the land beyond  
is not agricultural  
& discontinues S Bdy.

John A. Lockwood  
U.S. Deputy Surveyor





List of Names.

A List of the Names of the Individuals  
 employed by John A. Rockwell  
 U. S. Deputy Surveyor, to assist in running, meas-  
 uring and marking the lines and corners described  
 in the foregoing Field Notes of the survey of the  
Boundaries of  
Sp. 185. R 24 E

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

Robert W. Kouse Chainman.  
Abraham B. Ruiz Chainman.  
 Chainman.

Chainman.  
John Fitch { Morndman  
 Axeman.  
 Axeman.

Jose Valencia Flagman.

Final Oath of Assistants.

We hereby certify that we assisted *John A. Rockfellow* U. S. Deputy Surveyor, in surveying all those parts or portions of the *Boundaries of Range 24 East*

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.

*Robert W. House* Chainman.  
*Abraham B. Rueg* Chainman.  
 Chainman.

Chainman.  
*John Fitch* { Monumentsman  
 Axeman.  
 Axeman.

*Jose Valencia* Flagman.

Sworn to and subscribed before me, this *27* day of *November*, 189*5*.

*John A. Rockfellow*  
 U.S. Deputy Surveyor  
 Notary Public.

[SEAL.] No officer authorized to administer being available without great in



## Final Oath of U. S. Deputy Surveyor.

I, John A. Rockwell

U. S. Deputy Surveyor, do solemnly swear that in  
pursuance of a contract received from George A. Johnson<sup>John A. Johnson</sup>, United States Surveyor-General, for Ari-

zona, bearing date of the 21 day of

May 1898, I have well, faith-  
fully, 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 the Boundaries of

Township 18 South  
Range 24 East

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  
me and under my direction; and I do further  
solemnly swear that all the corners of said surveys  
have been established and perpetuated in strict  
accordance with the Manual of printed instructions,  
the special instructions of the United States Sur-  
veyor-General for Arizona, and in the specific

instructions other than myself  
convenience delay and expense

31

B

33

manner described in the field notes, and that the foregoing are the true Field Notes of such survey; and should any fraud be detected I will suffer the penalty of perjury, under the provisions of an act of Congress approved August 8, 1846.

W  
A A  
survey  
B  
F  
&



John A. Rockefeller  
U. S. Deputy Surveyor.

Sworn to and subscribed before me this 13<sup>th</sup>

day of December, 1898.

Charles Johnston  
Notary Public

Commission Expires Apr. 18, 1899.

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forego  
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been i  
and b  
corner  
instru  
Gener.

BOOK 1603

day o,

[S:  
No office  
being

Final Oath of U. S. Deputy Surveyor.

I, John A. Rockfellow

U. S. Deputy Surveyor, do solemnly swear that in  
pursuance of a contract received from ~~Royal A. Johnson~~  
G. S. Johnson, United States Surveyor-General for Ari-  
zona, bearing date of the 21<sup>st</sup> day of

May 1898, I have well, faith-

fully, 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 the Exterior & Subdivisional lines of

Tp. 18 S, R. 25 E, Tp 15 S, R. 25 E, T. 18 S,  
R. 24 E, & Tp. 24 S, R. 24 E.

BOOK 1603

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  
me and under my direction; and I do further  
solemnly swear that all the corners of said surveys  
have been established and perpetuated in strict  
accordance with the Manual of printed instructions,  
the special instructions of the United States Sur-  
veyor-General for Arizona, and in the specific



U.S. Surveyor General's Office.  
Tucson, Arizona, *May 23, 1899.*

The foregoing Field Notes of the survey of

*The North and South  
Boundaries of Twp.  
18 S. R. 24 E.*

of the Gila and Salt River Base and Merid-  
ian, Arizona, executed by *John A.*

*Rockfellow* D. S. under his contract of the  
*21<sup>st</sup>* day of *May* 1898, having been

critically examined and the necessary  
corrections and explanations made, the said  
Field Notes and the surveys they describe,  
are hereby approved.

*George Christ*

U.S. Surveyor General.