

1581

North and West Bdy's

T. 24 S. R. 23 E

BOOK 1581

1581

J. A. Rockfellow, D. S.

4-671

**FIELD NOTES**  
**GENERAL LAND OFFICE.**

1581

BOOK 1581

*D. 24 S. R. 23 E.*

<i>15</i>		<i>14</i>	<i>12</i>	<i>11</i>	<i>8</i>	<i>6</i>
<i>16</i>	6	5	4	3	2	1
			BOOK 1581			
<i>18</i>	7	8	9	10	11	12
<i>19</i>	18	17	16	15	14	13
<i>20</i>	19	20	21	22	23	24
	30	29	28	27	26	25
	31	32	33	34	35	36

Field Notes  
of the survey of the  
North and West  
boundaries  
of  
T. 24 S., R. 23 E.  
of the  
Gila & Salt River Base  
and Meridian  
of the  
Territory of Arizona  
as surveyed by  
J. A. Rockfellow  
U. S. Deputy Surveyor  
under his contract no. 66  
Dated May 22, 1900.  
Survey commenced Nov. 2, 1900.  
Survey completed Nov. 10, 1900.

## Names and Duties of Assistants

O. W. Howard	Chairman
Edward Huber	"
John J. Proffitt	Mourner
Musgrave Burton	"
James Johnson	Flagman

## Index

T 245 R 23 E.

North Body	Page	4
West "	"	17

2A Preliminary Oaths of Assistants.

BOOK 1581

we, Edward Huber  
and O. W. Howard

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 Tp 24 S. Range 23 E

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

Edward Huber Chainman.

O. W. Howard Chainman.

Chainman.

Chainman.

Subscribed and sworn before me, this 3d

day of November 1899 1900

John A. Rockefeller  
Notary Public.

[SEAL]

My commission  
expires April 10 1903

We, James Johnson 3

Geo. T. Proffitt Musgrove Burton  
do solemnly swear that we will well and truly per-

form the duties of Flagman

Miner BOOK 1581

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.....

Boundaries  
of Twp. 24 S. Range 23 E

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

James Johnson

Geo. T. Proffitt

Musgrove Burton

Musgrove Burton

Subscribed and sworn to before me this 3d

day of November 1890 1900

John A. Rockwell  
Notary Public.

My Commission expires  
Apr 10 1903

## North Boundary of

Survey commenced Nov. 2, 1900 and executed with a Young and Sons mountain transit No. 6855 with Smith Solar Attachment. The horizontal limb is provided with double verniers placed opposite to each other reading to single minutes of arcs which is also the least count of the Lat. and dec. arcs.

The instrument was examined and tested on the true meridian at Tucson Arizona, found correct and was approved by the Surveyor General Dec. 1899.

J. 24 S., R. 23 East

Test the solar apparatus by setting up the instrument on the meridian established by me in Oct. 28 1898 in the survey of J. 24 S., R. 23 East situate on the international boundary line lat.  $31^{\circ}20' N.$

I note the bearings at 9 and 10 A. M. and 2, 3, and 4 o'clock P. M. and find that all of these examinations the work agrees with the meridian already established, hence I presume my instrument to be in good adjustment.

Sat. Nov. 3.

I begin at the corner of Tps 23 & 24 S. Ranges 23 & 24 East. Longitude  $109^{\circ}51'28.9'' W.$



## North boundary of

I establish meridian with solar and find this agrees with the meridian established in the survey of T. 24 S., R. 24 East executed by me in 1898.

Thence I run west between Secs. 1 and 36. Var.  $12^{\circ}-10'E$ .

Over rolling brushy <sup>ground</sup>  
 17.00 Wagon road Bisbee to San Pedro River brs. N. E. & S. W.

40.00 Set a quartzite <sup>rock</sup>  $16 \times 10 \times 10$  ins. 11 ins. in ground for  $\frac{1}{4}$  <sup>sec</sup> corner marked  $\frac{1}{4}$  on N. face, dig pits  $18 \times 18 \times 12$  ins. E. and W. of stone 3 ft. dist. and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high N. of cor. W. pit is in old

J. 24 S., R. 23. East

washed unused road.

80.00

Set a granite rock 20X10X8 ins. 10 ins. in the ground to bed-rock for cor. secs. 1, 2, 35, & 36 marked with one notch notch on E. and 5 notches on west. Dig pits 18X18 ins & from 8 to 10 ins. deep to bedrock in each section  $5\frac{1}{2}$  ft. dist. and raise a mound of earth and stone 4 ft. base, 2 ft. high W. of cor.

Whence

A conical hill brs. S.  $24^{\circ}15'$  W. about 20 chains.

A telegraph pole in full view on A. & S. E. R. R. brs. N.  $55^{\circ}06'W$ . about 10 chains.

Magallones Peak, Sonora Mex. brs S.  $20^{\circ}40'E$ .

## North boundary of

Land rolling, sloping S.  
Soil, gravelly loam 2nd rate  
No timber: ~~Desert~~ mesquit  
and Cats claw brush rocks

West bet. secs. 2 and 35 over  
mountainous land Var 11°  
55' E. ascend spur of Mule  
Mts.

- 15.00 Summit of ridge N. & S.  
23.00 Wash in gulch 7 lks. wide  
course S. W.  
Ascend abruptly:  
24.00 Summit N. E. & S. W.  
Descend.  
26.00 Gulch 20 lks. wide course  
S. crossed by R. R. bridge  
about 5 chs. N.  
27.00 Summit of ridge brs N. & S.

J. 24 S., R. 23. East.

- 28.20 Wash in gulch 7 lks. wide  
N. & S.
- 29.00 Summit, run along south-  
ern slope of limestone hill.
- 32.07 Arizona & S. E. R. R. Bys.  
E. N. E. & U. S. W.: continue to  
ascend limestone hill.
- 40.00. Set a limestone 20x10x8 ins.  
7 ins. in ground. to bedrock  
for  $\frac{1}{4}$  sec. cor. mark  $\frac{1}{4}$  on  
N. face; raise a mound  
of rocks 3 ft. base, 3 ft. high  
N. of cor., pits impracticable
- 42.00 Summit, of high line ridge  
Bys. N. & S.  
Abrupt descent
- 45.50 Wash in gulch <sup>4 lks.</sup>~~4 ft.~~ wide  
course S.  
Steep ascent.
- 51.00 Summit, N. W. & S. E.

## North boundary of

- 55.00. Descend abruptly.
- 63.09. Telegraph line N. N. W. & S. S. E.
- 63.40. End of R. R. Culvert
- 63.86. A. & S. E. R. R. on curve brs. N. N. W. & S. S. E.
- 65.49. Telegraph line N. & S.
- 66.17. Naco branch of the A & S. E. R. R. brs. N. W. & S. E.
- 75.55. Road from Naco junction to Naco brs. N. W. and S. E.
- 80.00. Set a limestone 18 X 11 X 6 ins. 12 ins in ground for cor. to secs. 2, 3, 34. & 35. marked, with 2 notches on E. E and 4 notches on W. edges. dig pits 18 X 18 X 12 ins. in each. sec. 5  $\frac{1}{2}$  ft. dist., raise a mound of earth 4 ft. base 4 ft. base 2 ft. high. W. of Cor.

J. 24 S., R. 23 East.

Land mountainous and rolling.

Soil 2nd & 4th rate.

No timber: much dense brush on lower lands. Dense undergrowth and mountainous 80 chs.

West bet. sec. 3 and 34. var. 12° 46'

E. over rolling brushy land

Enter dense undergrowth.

Set a limestone 18 X 8 X 8 ins. 12 ins.

in ground for  $\frac{1}{4}$  sec. cor. marked

$\frac{1}{4}$  on ~~North~~ face, raise a mound of rock 3 ft. base 2 ft. high N. of cor., pits impracticable.

78. 00.

Road from Bisbee & Nacoto San Pedro River bro. N. W. & S. E.

80. 00.

Set a limestone 18 X 10 X 8 ins. 12 ins in ground for cor. to secs. 3, 4, 33 & 34 marked with 3 notches on the E. & 3 on the W. edges;

BOOK 1581

North boundary of

dig pits in each sec.  $5\frac{1}{2}$  ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Land rolling, soil gravelly loam. 2nd rate.

Dense thorny brush  $7\frac{1}{4}$  chs.

U. bet. secs. 4 & 33 var  $12^{\circ}$ - $40^{\circ}$   
~~Through dense~~ rolling brushy land.

40.00.

Set a limestone  $18 \times 12 \times 6$  ins. 12 ins. in the ground for  $\frac{1}{4}$  cor, marked  $\frac{1}{4}$  on N. face; dig pits  $18 \times 18 \times 12$  ins E. & W. of stone 3 ft. dist: and raise a mound of earth 3 ft. base  $1\frac{1}{2}$  ft. high N. of cor.

50.77

Road Naco to San Pedro River

T. 24 S., 23 East.

brs. N. W. & S. E.

80.00 Set a limestone 18X12X10 ins. 12  
ins. in the ground for cor. of secs.  
4, 5, 32 & 33 marked with 4  
notches on E. & 2 on the W; <sup>edges.</sup> dig  
pits 18X18X12 ins. in each sec.  
5½ ft. dist. and raise a mound  
of earth 4 ft. base & 2 ft high W.  
of cor.

W hence

Huachuca Peak No. 3. brs.

N. 87°-51' W about 40 miles.

San Jose Peak (Mex) brs. S.

12°-17' E. about 15 miles.

U. S. Custom House at Naco. brs

S. 53°-30' E.

Land, rolling.

Soil, gravelly loam. 2nd rate

No timber, ~~dense~~ brush 80 chs.

Nov. 3, 1900.



## North boundary of

Nov, 5, 1900.

W. bet. secs. 5 & 32. var.  $12^{\circ}-40'$ 

E. Through dense undergrowth

40.00. Set a quartzite rock  $16 \times 10 \times 8$  ins.11 ins. in the ground for  $\frac{1}{4}$  cor.marked  $\frac{1}{4}$  on N. face; dig pits $18 \times 18 \times 12$  ins. E & W. 2 ft. dist.

and raise a mound of earth

 $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high. N. of cor.80.00. Set a limestone  $18 \times 10 \times 9$  ins. $1/2$  ins. in ground for cor. sec.5, 6, 31 & 32 marked with 5 notch-  
edges on the E. and 1 on the W.; digpits  $18 \times 18 \times 12$  ins. in each sec. $5\frac{1}{2}$  ft. dist and raise a mound  
of earth 4 ft base and 2 ft. high  
W. of cor.

Land rolling.

No timber: much brush.

Dense undergrowth, 80 chs.

## T. 24 S., R. 23 East.

- W. bet secs. 6 & 31, var.  $12^{\circ}$ - $25^{\circ}$  E.
14. 00 Through dense undergrowth  
Leave dense undergrowth bet.  
N. W. & S. E.
21. 30 Road N. W. & S. E.
39. 00 Enter dense undergrowth  
course N. & S.
40. 00 Set a limestone for  $\frac{1}{4}$  <sup>sec</sup> cor.  
14 x 7 x 6 ins 10 ins in ground  
marked  $\frac{1}{4}$  on N. dig pits 18 x 18  
x 12 ins E. & W. 3 ft. dist; raise  
a mound of earth  $3\frac{1}{2}$  ft. base  
 $1\frac{1}{2}$  ft. high N. of cor.
9. 56 Set a cement rock 18 x 12 x 8  
ins. 12 ins in ground for cor.  
Tps. 23 & 24 S., Ranges 22 & 23  
E., marked with 6 notches on  
the N., E., S., & W. edges; and raise  
a mound of stone 3 ft. base  $2\frac{1}{2}$  ft.  
high. S. of corner.

16

BOOK

1581

North boundary of

Whence

Huachuca Peak No. 2. brs.  
N.  $81^{\circ}15'W$ .

Huachuca Peak No. 3 brs. N.  $86^{\circ}27'W$ .

San Jose Peak W. S.  $24^{\circ}27'E$ .

High peak of Mules Mts. brs.  
N.  $7^{\circ}02'E$ . Extreme N.W. Pt. of

Mule Mts. Visible brs. N.  $4^{\circ}55'E$ .

Land rolling

Soil gravelly, 2nd class.

No. timber; dense brush, dense  
undergrowth 5-5' chs.

---

S. bet. Secs. 6 and 1 var.  $12^{\circ}10'$

37.00.

Enter valley E. & W. leave  
dense undergrowth.

40.00

Set a limestone  $15 \times 8 \times 6$  ins. 10  
ins in ground for  $\frac{1}{4}$  cor. mark-  
ed  $\frac{1}{4}$  on W. face; dig pits  $18 \times 18 \times 12$  ins.

T. 24 S., R. 23 East.

N. & S. 3 ft. dist and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high. W. of cor.

41.20. Road E. and W.

43.45. Gulch <sup>15 chs.</sup> 10 ft. wide 6 ft. deep. course W.

69.00. Leave valley. Course W.

80.00 Set a quartzite rock  $14 \times 10 \times 9$  ins. 10 ins. in ground for cor. of secs. 6, 7, 1 & 2 marked with one notch on N. and 5 on S. edges. Dig pits  $18 \times 18 \times 12$  ins. in each sec.  $5\frac{1}{2}$  ft. dist. and raise a mound of earth 4 ft. base 2 ft. high. W. of cor.

Land rolling and level

Soil 1st & 2nd rates.

No. timber; much brush, dense undergrowth 37 chs.

## West boundary of

S. bet. secs. 7 & 12. var. 12<sup>o</sup> 20'  
ascend gradually.

40. 00. In a low sag set a quartzite 16 X 8 X 6 ins. 11 ins. in ground. for  $\frac{1}{4}$  <sup>see</sup> cor. marked  $\frac{1}{4}$  on W. face; dig pits 18 X 18 X 12 ins. N. & S. of cor. 3 ft. dist., raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high W. of cor.

80. 00. Set a quartzite 17 X 9 X 7 ins. 12 ins. in ground for cor. secs. 7, 12, 13 & 18. marked with 2 notches on N. and 4 on S. edges; dig pits 18 X 18 X 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Land mesa.

Soil gravelly 2nd & 3rd classes.  
No timber or little brush.

T. 24 S., R. 23. East.

S. bet. secs. 13 & 18. var. 12<sup>0</sup>-20' E.

Slight ascent.

40.00

Set a quartzite 22 X 14 X 8 ins.

17 ins. in ground for  $\frac{1}{4}$ <sup>sec</sup>, cor. marked  $\frac{1}{4}$  on W. face, and raise a mound of stone 3 ft base 2 $\frac{1}{2}$  ft. high. W. of cor. pits impracticable

80.00

Set a quartzite ~~rock~~ 18 X 12 X 6 ins. 12 ins. in ground for cor. secs. 13, 18,

24 & 19 marked with 3 notches on the N. and 3 on the S. edges;

dig pits 18 X 18 X 12 ins. in each  $\frac{5}{8}$  ft. dist. sec., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Land mesa.

Soil gravelly.

No timber; little brush.

## West boundary of

12.54

S. bet. secs. 19 & 24. var  $12^{\circ} 20'$   
 Intersect International  
 Boundary W. 1/4. 33 chs. from  
 Boundary Monument No. 95.

Set a quartzite rock  $15 \times 10 \times 8$   
 ins. 10 ins. in ground &  
 Marked C. C. on the N.

" 23 E. " " E.

" M. E. X. " " S.

" 22 E. " " W. faces

Dig pits  $36 \times 24 \times 12$  ins E. & W.  
 4 ft. dist. and  $24 \times 18 \times 12$  ins.  
 8 ft. N. crosswise of the lines  
 and raise a mound of earth  
 5 ft. base  $2\frac{1}{2}$  ft. high N. of cor.  
 Land mesa.

Soil, 2nd rate.

No timber: little brush.

Nov. 5, 1900.

T 24 S R 23 East.

Bds. of T.P. 24 S., R. 23. East.

Line designated bearing	Dist.	N. Lat.	S.	Ht	Dep W.
N. Bdy	479.56			479.56	
E " S	252.70	252.70			479.72
S. " West	479.72				
W. " N.	252.57	252.57			
Convergency					
		252.54	252.70	479.78	.22
		252.54	252.54	479.72	
			0.16	0.06	



John A. Rockwell  
U.S. Dep. Surveys

List of Names. BOOK 1581 22

A List of the Names of the Individuals  
employed by John A. Rockfellow  
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  
T. 24 S.  
R. 23 E

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

O. W. Howard Chainman.

Ed. Huber Chainman.

Chainman.

Chainman.

Geo. T. Proffit Monumentman  
Axeman.

James Johnson Axeman.  
Flagman.

# Final Oath of Assistants.

We hereby certify that we assisted John A. Rockefeller U. S. Deputy Surveyor, in surveying all those parts or portions of the Boundaries of Tp 27 S. Range 23 E

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.

Edward Huber Chainman.  
O. W. Howard Chainman.  
 \_\_\_\_\_ Chainman.

\_\_\_\_\_ Chainman.  
Frederick Perffert ~~Chainman~~ <sup>Monumentman</sup> Axeman.  
Messinger Burton Axeman.

James Johnson Flagman.

Sworn to and subscribed before me, this 11<sup>th</sup> day of November, 1899 1900

John A. Rockefeller  
 Notary Public.

[SEAL.]

My com. expires  
Apr 10 1903

Final Oath of U. S. Deputy Surveyor. 24

I, John A. Rockefeller

U. S. Deputy Surveyor, do solemnly swear that in  
pursuance of a contract received from Royal A. Geo  
~~Johnson~~, United States Surveyor-General for Ari-

zona, bearing date of the 22<sup>d</sup> day of

May 1900, 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 Tr 27 South  
Range 23 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

25 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.

John A. Beckwith  
U. S. Deputy Surveyor.

Sworn to and subscribed before me this 29<sup>th</sup>

day of December, 1890

A. H. Emanuel,

Clerk.

1<sup>st</sup>  
Judicial District

BOOK 1581

BOOK 1581

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GEN'L.  
Tucson Arizona, 1902.

The foregoing field notes of the surveys of The North & West Bids  
of Tract T. 24 S: R 23 E

Gila & Salt River Meridian,  
executed by John A. Rockefeller  
under his contract No. 66 dated 5/22/1900  
having been critically examined, and the  
necessary corrections and explanations  
made, the field notes, and the surveys  
they describe, are hereby approved.

Hugh A. Rice

U. S. Surveyor General for Ariz