

1.

1596

West and South
Boundaries

Tp. 18 S., R. 25 E.

1596

4-671

BOOK 1596

BOOK 1596

FIELD NOTES

GENERAL LAND OFFICE.

James A. Rockfellow

1596

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BOOK 1596

Field Notes

BOOK 1596

of the Survey of the
West and South Boundaries
of
Township No. 18 & R. 25. East
of
Gila and Salt River base
and 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
Aug. 15, 1890
Completed.

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(4-674.)

Township 185 R. 25E.

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

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West Body Page 7
 Southy " " 19

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Preliminary Oaths of Assistants.

We, Tom Jose
and Lootet Juan
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 West

and South Boundaries
of T^h 18 South
Range 25 E

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

Tom Jose Chainman.
Lootet Juan Chainman.
Chainman.
Chainman.

Subscribed and sworn before me, this 15

day of Aug 1898

John A. Rock
U.S. Deputy Surveyor
Notary Public

[SEAL.]

No Officer Authorized to administer
myself being available without

We, *Guy Emmons* 4
& *M. H. O'Connor*

do solemnly swear that we will well and truly perform the duties of *Flagman*

& *Moundman*

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

West and South

Boundaries of

Sp. 18 South

Range 20 East

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

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Guy Emmons

M. H. O'Connor

Subscribed and sworn to before me this *15*

day of *Aug* 189*8*

John A. Rockfellow
Notary Public.

in witness whereof I have
written these words after the reading of the foregoing
articles and after the parties have signed the same
in the presence of me and of the witnesses named above
and after they have sworn to the truth of the contents
of the same and after they have paid the fee of
one dollar for the recording of the same
and after they have paid the fee of
one dollar for the recording of the same
and after they have paid the fee of
one dollar for the recording of the same

West Bdy of T. 18. S. R. 25. E. 5.

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Survey commenced
Aug. 15, 1898. and executed
with a Young + Sons
light mountain transit
No. 6855.

The horizontal limb
is provided with two
verniers opposite
to each other reading
to single minutes
which is the least
count of the verniers
of the lat. and declares
The instrument was
examined and
tested on the true
meridian at Tucson
by the Surveyor Gener-
al for Ariz. July 7, 1898.
I have made fri-

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West Bdy. of T. 18, S., R. 25. E.

quent tests of the instrument on the meridian established by me Aug 1, 1898.

By observation of star Polaris have found the instrument in perfect adjustment.

At the cor Tps. 17+18 south as described by Surveyor General Ranges 24+25 E.

I set up instrument and at 9 hrs. 10^{min} mt.

I set off $31^{\circ} - 54'$ on the lat. arc and $13^{\circ} 56'$

N. on the decl. arc and determine a true Meridian with solar mean magnetic var $12^{\circ} 35' E$

West Bay. of T. 18. S. R. 25. E.

- U.S. mineral monument
on Pearce Hill bears $S79^{\circ}49'E$.
Thence I run
~~to sec. 14 b~~ S. bet. secs. 14 b.
6. 92 Road, Pearce to Cochise Cañon
bears N.W. + S.E.
10. 00 Set a granite rock
 $18 \times 6 \times 6$ in. 12 ins. in
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face.
dig pits $18 \times 18 \times 12$ ins.
N. S. of cor. $3\frac{1}{2}$ ft dist:
and raise a mound
of earth 3 ft base $1\frac{1}{2}$ ft
high W. of cor.
2. 30 Road Pearce to Middle
Pass of Dragon.
Mts bears W. + E.
7. 34 Road Pearce to Pearce
Ranch bears S.W. + N.E.

8. West Bdy of T. 18 S. R. 25. E.

80.00 Set a granite rock 16 x
8 x 8 ins 10 ins. in ground
for cor of secs. 1, 6, 7 & 12
Marked with one notch
on the N. & 5 notches
on S. edges: dig pits 18 x 18
x 12 ins. in each sec. $5\frac{1}{2}$
ft dist. from cor: and
raise a mound of
earth 4 ft. base 2 ft.
high. W. of cor:
Land level mesa,
soil sandy loam
1 & 2 rate. No timber
some brush good
grass.

S. bet. secs. 7 & 12.

40.00 Set a granite rock
16 x 9 x 4 ins. 10 ins. in

West Bdy of T. 18 S., R. 25 E.

- ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on
 W. face dig pits 18×18
 $\times 12$ ins 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.
- 51.00 Draw 2 chs wide
 W & E.
- 0.00 Set a granite rock
 $17 \times 8 \times 5$ ins. 10 ins. in
 ground for cor. of
 Secs. 7, 12, 13 & 18,
 marked with 2
 notches on N. and 4
 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}

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West Bdy of T. 18. S. R. 25 E.

chains.

W. of cor.

Land mesa sloping,
 some mesquite brush
 good grass soil rocky
 and sandy loam
 2nd rate.

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S. bet secs. 13 + 18

40.00

Set a quartz rock 18x
 5x5 in. 12 in. in
 ground for $\frac{1}{4}$ sec. cor.
 marked 4 on W. face.
 dig pit 18x18x12 in.
 N + S 3 ft. dist. + raise
 a mound of earth
 $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high.
 W. of cor.

69.00

Enter draw, Sacaton
 grass 6 ft. high.
 course S.W. + N.E.

West Body of T. 18 S., R. 25 E. 11

Chains.

71.00

Leave Draw.

80.00

Set a limestone 18x6x5
ins. 12 ins. in ground
for cor. of secs. 13, 18, 19+
24 marked with 3 notches
on N and 3 on S. edges.
dig pits 18x18x12 ins. in
each section 5½ ft dist.
raise a mound of
earth 4 ft. base 2 ft.
high. W. of cor.

Land mesa sloping
E. Some brush,
good grass.
Soil gravelly 2nd rate.

S. bet. secs. 19+24.

24.37

Road, Pearce to South
Pass bear S.W. + N.E.

40.00

Set a limestone 20x6x5

West Body of T, 18 S., R. 25 E.

- chains. ins. 13 ins. in ground
for a $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face: dig pits
18 X 18 X 12 ins. 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.
- 77.40 Descend into small
basin.
- 80.00 Set a limestone 18 X 16 X 6
ins. 12 ins. in ground
for cor. to secs. 19, 24,
25 + 30. marked with
4 notches on N. and 2 on
S. 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 2 ft high
W. of cor.
- Land mesa & rolling

West Bdy of T. S., R. 25 E.

Soil gravelly 2nd rate
 Little brush.
 Good grass

S. bet secs. 25 + 30.

Slight Descent.

0.50 Bottom of depression
 + ascend

4.70 Low ridge E. + W.
 Descend.

40.00 Set a quartzite rock
 18 X 6 X 6 inches. 12 ins.
 in ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on W. face.
 dig pits 18 X 18 X 12, ^{in.} N. + S.
 3 ft. dist. + raise a
 mound of earth
 $\frac{3}{4}$ ft base + $\frac{1}{2}$ ft high ^{W. of cor.}

43.50 Bottom + ascend gently

45.35 Sharp quartzite ridge W. + E., descend

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West Bdy. of T. 18 S., R. 25 E.

Chains

53. 56 Bottom of draw E. & W. ascend.
64. 10 Ridge E. & W. descend.
66. 00 Bottom & ascend.
70. 20 Quartzite dyke course S. E. & N. W.
descend and ascend.
77. 80 - ~~Top & descend~~ Set a granite rock 18x6
80 00 x 5 ins. 12 ins. in ground
for cor. of secs. 25, 30, ³¹ & 36
marked with 5 notches
on N. and 1 notch on
South edges: dig pits
18x18x12 ins. in each
section 3 ft. dist; +
raise a mound ^{of earth} 4 ft.
base. 2 ft high W. of cor.
Land broken & rolling
Soil gravelly 2nd rate.
Good grass.
Some brush.

West Bdry. of T. 18 S., R 25 E.

chains.	8. bit sec. 31 & 36. Descend gently.
31.00	Bottom and ascend.
38.50	Top and descend.
40.00	Set a sand stone 18 X 8 X 5 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face: dig pits 18 X 18 X 12 in. N & S. 3 ft. dist: raise a mound of earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft. high W. of cor.
42.50	Bottom & ascend.
47.10	Rocky ridge - descend.
78.50	Enter flat course E & W.
79.50	Old hay road to Hud- son Ranch bears S. W & N. E.
80.00.	Set a sandstone 20 X 6 X 5 ins. 12 ins. in ground

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West Bdy. of T. 18 S., R. 25 E.

for a cor. of Tps. 18 + 19 S.
 Range 24 + 25 E. marked
 with 6 notches on
 each edge; dig pits
 24 x 24 x 12 ins. on each
 line N.E. + W 4 ft. + S.
 8 ft. dist: I raise a
 mound of earth 5 ft.
 base $2\frac{1}{2}$ ft high Sof
 cor.

Land broken & rough
 Some brush.

fair grass.

Land rocky except
 in draws.

Soil 2nd + 3rd rate.

From ^{cor.} Dos Cabezas Mt.
 bears N. 26° - 14' E.

Eastern of the highest
 trees on Turquois Mt.

South Bdy. of T. 18, S., R. 25 E.

bears S. $21^{\circ}-18' E.$

Aug. 15, 1898.

Aug 16, 1898, at 9h. ^{min} 55 ^{am} ~~pm~~
I set off $31^{\circ}-49'$ on lat. arc.
 $13^{\circ}-36'$ on decl. arc. and
determine a true mer-
idian with solar at the
cor of Tps. 18 + 19 S.

Range 24 + 25 E,

Thence I run

E on a random along

S. bdy of Tps 18 S. R. 25 E.

setting $\frac{1}{4}$ sec. and sec.

corners at intervals
of 40 chs.

and at 476.04 ch in-

tersect the 3rd Guide

Meridian 26 S lps S.

of cor of Tps 18 + 19 S.

South Bdy. of T. 18, S. R. 25 E.

Rgs 2 5 + 26 E. which is a mound with pits on each line 6 ft dist and stake in E pit marked as described by the Surveyor General

I be falling answere to a correction of 19' or $44\frac{1}{2}$ lbs. per mile.

I herfore my return course is $S 89^{\circ} - 41' W.$

Aug. 16, 1898

Aug. 17, 1898. at 10 hr. 5 min. A.M. hmt. I set off $31^{\circ} - 49'$ on lat. arc. $13^{\circ} - 17'$ N. on decl. arc. + determine a true meridian with ^{the} solar at the S.E. cor. of the

South Bdy of T 18 S., R 25 E. '19.

Chains

Township. var. 120-35' E,
 Thence I run
 S. 89°-41' W. along S.
 boundary bet sec 17 & 36
 over sloping mesa.

40.00

Set a porphyry rock
 20 x 6 x 5 ins. 15 ins. in
 ground for the $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face.
 dig pits 18 x 18 x 12ⁱⁿ 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.

80.00

Set a rhyolite rock
 18 x 8 x 4 ins. 12 ins. in
 ground for cor of sec
 1, 2, 35 & 36.

Marked 1 notch on
 E. & 5 notches on

South Bay of T. 18. S., R. 25 E.

W. edge: dig pits 18 X 18
X 12 in. each sec. 5 $\frac{1}{2}$ ft.
dist. raise a mound
of earth 4 ft base, 2
ft high W. of cor.

Land mesa.

No timber or brush.

Soil sandy loam

1 + 2 grade.

Nearly all of this
section (36) covered
by a prairie dog town.
Consequently little
grass.

S. 89° - 41' W. along
S. boundary bet. sec.
20 + 35

00.80 Old road bears N.W.
+ S.E.

South Bdry of T. 18 S., R. 25 E.

- 40.00 Set a rhyolite rock 18 x 6 x 5 in. 12 in. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 in. 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.
- 46.76 mud tank 8 lbs in diameter.
- 80.00 Set a porphyry rock 18 x 8 x 4 in. 12 in. in the ground for the cor. of secs 2, 3, 34 + 35. marked with 2 notches on E. + W. on W. edge; dig pits 18 x 18 x 12 in each sec., $5\frac{1}{2}$ ft dist.

South Bdy of T. 18. S., R. 25 E.

raise a mound of earth 4 ft. base 2 ft high W. of cor.

Land mesa some what rolling.

Good grass, when free from prairie dog towns.

Soil 1 & 2 rate, sandy loam

S 89° - 4 1/2' W. along S boundary bet secs. 3 & 34.

40.00 Set a porphyry rock 18 x 6 x 5 ins. 12 ins. in ground for 1/4 sec. cor. marked 4 on N. face: dig pits 18 x 18 x 12 ins. E & W. 3 ft dist

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South Bdy of T. 18. S., R 25 E.

raise a mound of earth
 $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft high
N. of cor.

80.00

Set a sand-stone
 $20 \times 6 \times 5$ ins 15 ins. in
ground for cor of sec
3, 4, 33, 434. marked
with 3 notches on E.
and 3 notches on W,
edges: dig pits $18 \times 18 \times 12$
ins. in each sec $5\frac{1}{2}$
ft dist + raise a mound
of earth $3\frac{1}{2}$ ft base
 $1\frac{1}{2}$ ft high W. of cor.
Land gently rolling
Little brush.

Good grass.

Soil sandy loam
1 + 2 grade.

South Bdy of T. 18, S., R. 25 E.

S. $89^{\circ}-41'W.$ along S
boundary bet secs
4 & 33.

40.00

Set a porphyry rock
20 X 6 X 5 ins. 15 ins. in
ground for a $\frac{1}{4}$ sec.
cor., marked $\frac{1}{4}$ on N.
face: 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.

80.00

Set a sandstone 16 X 6
X 5 ins. 12 ins. in ground
for the cor. of secs. 4, 5,
32 & 33, marked with
4 notches on the E +
2 on the W. edges:
dig pits 18 X 18 X 12 ins.
in each sec. $5\frac{1}{2}$ ft dist

South Bdy of T. 18 S., R. 25 E. ²⁵⁻

raise a mound of earth
4 ft. base 2 ft. high W of
cor.

Land gently rolling
Little brush.

Good grass.

Soil sandy loam 182
rate.

S 89° - 41' W. along S
bdy bet secs. 5 & 32

13.04 Road Pearce to Turquoise bears
S + W.

20.94 Draw 2 ch. wide bears SW.

30.23 Road known as Fife's
bears W. S-W. + E. N-E.

40.00 Set a sandstone 18 x 9 x 4
ins. for 1/4 sec. cor. marked
1/4 on N. face: dig pits 18 x
18 x 12 ins. E. + W. 3 ft. dist.

South Bdy of T. 18. S. R. 25 E.

raise a mound of earth
 $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft high
 W. of cor.

70.00 ascend gently.

80.00 Set a sandstone 20×16
 $\times 5$ ins. 15 ins. in ground
 for cor. of secs. 5, 6, 31 & 32
 marked with 5 notches
 on E. and 1 on W. edges.
 dig pits $18 \times 18 \times 12$ ins.
 in each section $5\frac{1}{2}$ ft
 dist. raise a mound
 of earth 4 ft. base 2 ft.
 high. W. of cor.

Sand rolling.

Soil gravelly and
 sandy loam 1+2 rate
 Good grass.

South Bdy. of T. 18 S. R. 25² E.

S 89°-41' W. along
S bdy. between sees 6 &
31.

40.00 Set a quartz rock 20 X
8 X 4 ins. 15 ins in
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face
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.

Var. of needle 12°-10' E.

42.00 Descend into flat.

64.92 Wash 30 lbs wide
flows. South
over flat

76.04 S.W. cor of Tp.

Land rolling

Soil loam & gravelly 1+2 rats

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South Bay of T. 18 S. R., 25 C.

grass.

Considerable brush

Aug 17, 1898.

John A. Rockwell
U.S. Deputy Surveyor

line assigned	True bearing	Distance	Latitudes	Departure
S 84 ^o 15' E Mrose	S 89 ^o 41' W	476.04	2.63	476.03
N. W. by do	N. 78 ^o 45' E	480	2.08	476.93
E. S. by do	E. 8 ^o 11' W	479.70	4.45	1.54
Conveyance				
			482.33	477.38
			482.08	477.07
			<u>482.08</u>	<u>477.07</u>
			Error in Lat. .25	Error in Dep. .19

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List of Names.

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A List of the Names of the Individuals
 employed by *John A. Rockefeller*
 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
*West & South Bound-
 aries of
 Twp 18 South
 Range 25 East*

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

Tom Jose Chainman.

Lotet Juan Chainman.

..... Chainman.

..... Chainman.

..... Axeman.
M. H. O'Connor { *Measurman*
 { *Axeman*.
Guy Emmons 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 West and South Boundaries of Twp 18 South Range 25 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.

Tom Jose Chainman.

Loatch Juan Chainman.

..... Chainman.

..... Chainman.

M. H. O'Connell Axeman.
(Monument Axeman.)

Guy Emmons Flagman.

Sworn to and subscribed before me, this 15 day of Sept September, 1898.

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

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[SEAL.]

No officer authorized to administer oaths without gre

Final Oath of U. S. Deputy Surveyor. 32

I, John A. Rockefeller
U. S. Deputy Surveyor, do solemnly swear that in
pursuance of a contract received from ^{George} ~~Royal A.~~
~~Johnson~~, United States Surveyor-General for Ari-

zona, bearing date of the 2 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 West & South

Boundaries

of Twp 18 South

Range 25 East

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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

written orders other than myself
at incurrence, delay & expense

U.S. Surveyor General's Office.

Tucson, Arizona, *May 23, 1899*

The foregoing field notes of the survey of

*The West and South
Boundaries of Twp. 18 S.
R. 25 E.*

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

Rockfellow D. S., under his contract of the
21st day of *May* 1898, having been critic-
ally 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.