

7

BOOK 1671

Copied
Platters

Pied
Imagined

See Index
Field Notes
1671

OF THE SURVEY OF THE
5th Standard Parallel
North through Rs.
1, 2 and 3 T. -OF-

BOOK 1671

Township Range

Gila and Salt River Base and Meridian

1671
ARIZONA.

By *J. T. Smith* D.S.

Under contract dated *July 24th* 1873

Survey commenced *September 2nd* 1873

Survey completed *September 2nd* 1873

1671

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5th Stand. Par. A. through R. 31. 1-13
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R. 21 N., R. 1 St.

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6	5	4	3	2	1

R. 21 N., R. 2 St.

R. 21 N., R. 3 St.

For description of instrument
and preliminary cuts
see Book no. 1

Survey commenced
September 21st 1873

Survey completed
September 22nd 1873

Returning 5th Standard Parallel Chassis

From the Standard
Cor. to Tps. 21 N. R.
3 and 4. N. recently
re-established by me
I run
East on the S. Ry. of
Sec. 31

Pa. $140^{\circ} 55' E.$

Descend from bluff to str. &
Dry wash ^{into cañon} 20 links
Wide to. S. N. ascend
Leave cañon to. S. N.

Set a small pair rock
 $18 \times 10 \times 7$ ins. 12 ins. in
the ground for Standard
14 Sec. Cor. marked
S.C. 14 on N. face.
from which a
runner 5 ins. in diam.
to. S. $48^{\circ} E.$ 45 links

1000

13.32

2000

4000

North through Range 3 H.
chain

dist: marked ^{S.C.} 14 S.B. T.

A Juniper 6 ins. in diam.
No. N. 30° W. 49 links dist:

marked S.C. 14 S.B. T.

8000

Set a malpais rock

12 x 8 x 6 ins. 8 ins. in

the ground for. Standard

Co. to Sec. 13 and 22

marked S.C. with 1

notch on N. and 5

notches on E. edge,

and raised a mound

of stone alongside

Pike impracticable

from which a cedar

8 ins. in diam. No. N. 30° E.

61 links dist: marked

T. 2 N. R. 3 H. S. 32 B. T.

A Juniper 8 ins. in diam.
No. N. 20° W. 155 links.

5th Standard Parallel
Chairs

Dist. marked S. 21 W.
R. 37 S. 21 W. S.
No other trees within limits
Surface very broken
Lact 50 chs
Soil 2nd. and 3rd rate
Dense juniper brush
Fair grass

East on the S. By. of
Sec. 32.

4000 Va. 14° 05' E
Set a malpais rock
18 x 10 x 4 ins, 12 ins. in
the ground for Standard
14 Sec. Conf. marked
S. E. 14 on N. face
and raised a
mound of stone
alongside.

North through R. 3 N.
Chain

- Pits impracticable.
 from which a quimper
 10 ins. in diam. to
 at 400 ft. 18 inches high
 marked S.C. 14 S.B. 5
 No other trees within limits
 descend
- 4800 Partridge creek 400 feet
 with 60. S.W. square
- 55.36 Top of bluff of rock
 80 ft. high to, cross.
 Large cañon
- 8000 Set a maffin rock
 13x8x5 ins. 8 ins. in the
 ground for Standard cor.
 to Secs. 32 and 23
 marked S.C. with 2
 notches on N. and 4
 notches on E. edge.
 and raised a mound

5th Standard Parallel
Chain

of stone along side
 Pit - impracticable
 from which a
 Juniper 8 ins. in diam.
 frs. N. 200 E. 63 links
 dist. marked T. 21 N.
 R. 37. S. 23 B. J.

a Juniper 6 ins. in
 diam. frs. N. 58 W.
 93 links dist. marked
 T. 21 N. R. 37. S. 22 B. J.

As other trees within limits
 surface rolling
 Soil 2d. red
 Dense Juniper brush
 Grass scattering

East along the S. By.
 of Sec. 23
 Va. 14000 E.

North through Range & N.
Chavis

5,500 Ravine Co. St.
4000 Set a conglomerate
rock 16x12x4 ins. 21 ins
in the ground for
Standard 14 Sec. Fluv.
marked S.C. 14 on
N. face. from which
a cedar 20 ins. in
diam. frs. N. 45° E. 42
links dist. marked
S.C. 14 S.B.V.

A quipin 10 ins. in
diam. frs. N. 60° E.
90 links dist. marked
S.C. 14 S.B.V.

8000 Set a malpais rock
12x12x10 ins. 8 ins. in
the ground for Standard
Co. to Sec. 23 and 34
marked S.C. with

7
5th Standard Parallel
Chain

Spot on E. and
N. side, and
raised a mound
of stone alongside
covered with earth
from which a juniper
5 ins. in diam. spr.

N. 82° E. 51 links dist.
marked T. 21 N. R. 37.
S. 34 B. 1

a juniper 6 ins. in diam.
spr. N. 78° W. 1.6 links
dist. marked T. 21 N.
R. 37. S. 33 B. 5

No other trees within limits
Surface rolling
Soil red. silt
Dense juniper brush
Some grass

North through Range 3 N.
ChainEast on the N. Coy. of
Sec. 34

Va. 140 05° E.

40.00 Set a limestone 16x12x3
ins. 11 ins. in the
ground for ^{standard} 14 Sec. Cor.
marked S.C. 14 on N.
face and raised a
mound of stone
along side

Tree impracticable
from which a jumper
10 ins. in diam. to

N. 210° E. 98 miles dist-
marked S.C. 14 S.B.S.

No other tree within limits

77.00 Ravine Va. N. 100 N.

80.00 Set a limestone
18x10x5 ins. 12 ins. in
the ground for.

5th Standard Parallel Trails

Standard Cen. to Sw.
 34 and 35 marked
 S.E. with 4 notches on
 N. and 2 notches on E.
 edges. and raised
 a mound of stone
 along side.

Cib. unpracticable

From which a cedar
 12 ins. in diam. to S.
 N. 45° E. 90 links
 dist. marked. T. 21 N.
 R. 37. S. 35 B. J.

No other trees within limits

Surface rolling
 Soil Fert. rate
 Dense juniper brush
Grass plain

North through Range 3 N.
Chains

T. on the S. Dy. of
Dec. 35
Va. 140 05' E.

- 18.00 mound
22.00 Top of mt ridge frs. N. & S.
1 and 1 mound
40.00 Set a limestone $40 \times 24 \times 6$
ins. 30 ins. in the ground
for Standard "4 Sec. Cor.
marked S.C. "4 on N. face
and raised a mound
of stone along side.
Pit impracticable
from which a cedar 14
ins. in diam. frs. N. 400 ft.
54 links dist: marked
S.C. "4 on N. face
and other trees within limits
45.00 Cross Ravine Sec. St.
80.00 Set a limestone $20 \times 5 \times 4$

5th Standard Parallel Chain

ins 15 ins. in the ground
 for Standard Cor.
 to Trees 25 and 26
 marked S.C. with 5
 notches on N. and 1 notch
 on E. edge. dug pits
 18x18x12 ins. N. E. and
 N. of stone 5 1/2 ft. dist.
 and raised a mound
 of earth 2 ft. high.
 4 1/2 ft. tall along side
 from which a juniper
 10 ins. in diam. (b.s. 1880),
 120 buds dist. marked
 T. 21 N. R. 3 N. S. 35 W. V.
 N. other trees within
 limits

Surface rolling
 Soil 3rd. rate
 Dense juniper brush

N. through Range 37.
chains

E. on the S. Coy. of
Sec. 36

4000 Set a post 2 ft. long 3 ins.
sq. with ^{Up. 14° 15' E.} unmarked
stone 12 ins. in the
ground for Sta. 14
Sec. 36. Unmarked S.C.
14 ft. in diam. from
which a quipper
6 ins. in diam. has 8, 140 ft.
12 links dist. marked
S.C. 14 S.B. 5.

A quipper 10 ins. in diam.
has 4, 420 ft. 92 links dist.
marked S.C. 14 S.B. 5.

8000 Set a post 4 1/2 ft.
long 14 ins. sq. with
unmarked stone 12 ins.
in the ground for.

5th Standard Corral N.
through Range 3 N

Chassis

BOOK 1671

Standard Cor. to
T. 21 N. R. 2 and 3 N.
marked S.E. T. 21 N.
on N.

R. 27. S. 31 on E. and
R. 37. S. 36 on N. face,
with 6 notes on
N. E. and N. face.

dig pits 24 ¹⁵ x 12
ins. ^{on the line} N and E. of post.
6 ft. dist. and raised
a mound of earth
2 1/2 ft. high 3 ft. low
around post.

N. pit impracticable
Surface rolling
Soil 2nd. rate

Dense juniper and
prairie brush
grass fair.

5th Standard Parallel Cr.
through Range @ N
Chains

From the Standard Cor.
to Tps. 21 N. R. 2 and 3
W. just established by me
I run East on
the S. Ry. of Sec. 31
Sta. 140 5'E.

4000

Set a post 3 ft. long
3 ins. sq. with unsharpened
stone 12 ins. in the
ground for Standard "4
S. Cor. marked S. 6,
"4 on N. face
dug pits 18 x 18 x 12 ins.
E. and W. of post.

5 1/2 ft. feet. and
raised a mound
of earth 1 1/2 ft. high
3 1/2 ft. base around post.

8000

Set a Quartz rock
18 x 12 x 8 ins. 12 ins.

5th Standard. - Parallel
Chain

in the ground for
Standard Cor. to
Secs. 31 and 32, marked
S.E. with 1 notch on
W. and 5 notches on
E. edge. dug July 18x18
x12 in. Sp. E. and W.
of stone 5 $\frac{1}{2}$ ft.
dirt and gravel
a mound of earth
2 ft. high 4 $\frac{1}{2}$ ft.
broad along side.
Surface rolling
Soil 2d. rate
Dense juniper brush
good grass

East on the S. Ry. of
Sec. 32

Pa. 140 S.E.

N. through R. 2 N.
Chains

- 4000 Set a malpais rock
18x10x4 ins. 12 ins. in
the ground for Standard
114 Sec. 40. marked
S.E. 114 on N. face. and
raised a mound of
stone along with pits unfractured
- 78.00 Leave dense stone
cedar and juniper brush
to S. E.
- 8000 Set a Quartz rock 16x7x6
ins. 11 ins. in the ground
for Standard Sec. 30
Secs. 32 and 33 marked
S.E. with 2 notches on N.
and 4 notches on East
edge. dug pits 18x18x
12 ins. N. E. and N. of
stone 5-1/2 ft. dist. and
raised a mound

5th Standard Parallel Chains

of earth 2 ft. high
 4 1/2 ft. long alongside
 from which a
 Juniper tree 12 ins. in
 diam. No. A. 3576, 254
 links dist. marked
 T. 21 S. R. 27. S. 32 B. T.
 No other trees within limits
 Surface rolling
 Soil 2nd. rate
 Dense Juniper brush
 78 Ch.
Good grass

East on the S. Ry. of
 Sec. 33

40.00 Va. 14051E,
 Set a malpais rock
 20 x 10 x 6 ins. 15 ins.
 in the ground for

Ch. through R. 2 N.
Chain

Standard 14 Sec. Cor.
marked S.C. 14 on N.
face. dug pit 18x18x12
ins. S. and N. of stone
5 1/2 ft. dist and raised
a mound of earth
1 1/2 ft. high 3 1/2 ft.
base along side
from which a juniper
12 ins. in diam. S. of
St. 35 N. 254 links dist.
marked S.C. 14 S. P.T.
No other trees within limits.
Set a post 4 ft. long 4
ins. sq. with marked
stone 12 ins. in the
ground for ^{marker} Cor. to Sec.
33 and 34 marked
S.C. T. 21 N. R 2 N. on N.
S. 34 on E. and S 33 on N. face.

8000

5th Standard Parallel Chain

with another on E. and
 N. four aug pits
 15 x 18 x 12 ins. N. E. and
 N. of post. 5-1/2 ft.
 dist. and raised
 a mound of earth
 2 ft. high 4-1/2 ft. base
 parallel post.
 from which a jumper 16 ins.
 in diam. fr. 260 C
 26 links dist. marked
 J. 21 N. R. 2 N. S. 94 B. S.
 a jumper 24 ins. in
 diam. fr. 280 N. 145
 links dist. marked
 J. 21 N. R. 2 N. S. 33 B. S.
 no plant trees within bounds
 surface rolling
 soil 2nd. rate
 scattering jumper timber
 good grass

It through R. 2 N.
 Chain

East on the S. Ry. of
 Sec. 34

9.50
 4.00

at Brook and Prescott Va. $120^{\circ} 5' E$
 road to $100^{\circ} 21' E$
 Set Malpais rock $16 \times 10 \times 5$
 ins. 11 ins. in the ground
 for 114 Sec. Standard lev.
 marked S.C. 114 on N.

face, dug pit $18 \times 18 \times 2$
 ins. E. & S. of 7 ft. of about
 $5\frac{1}{2}$ ft. dirt. and
 raised a mound
 of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base alongside.

80.00

Set a Malpais rock
 $14 \times 8 \times 5$ ins. 9 ins. in the
 ground for Standard lev.
 to Secs. 34 and 35 marked
 S.C. with 4 notches on
 N. and 2 notches on
 E. edge. dug pit

5th - Sawtooth - Parallel
Lanes

18x18x12 ins. A. 5 7/8 ft.
 depth Saw 5 1/2 ft. dist-
 and raised a mound
 of earth 2 ft. high
 4 1/2 ft. base
 alongside

from which a Juniper
 12 ins. in diam. Trs.
 St. 650 E. 164 links dist.
 marked T. 21 N. Q. 2 7/8.
 S. 25 B. 5.

A Juniper 14 ins. in
 diam. Trs. St. 410 7/8. 151
 links dist. marked
 T. 21 N. R. 2 7/8. S. 24 B. 5.

No other trees within limits -

Surface rolling

Top End. soil

Scattering Juniper

Although Q. 2 H.

Chairs.

East on the S. By. of
Sec. 35
Va. 1405'E.

40.00 Set a malpais 16x6x4 ins.
11 ins. in the ground
for Standard "4 Sec. Cor.
marked S.C. "4 on N. face
and raised a mound
of stone along side.

Pit impracticable

8.00 Set a malpais rock
16x6x6 ins. 11 ins. in the
ground for Standard Cor.
to Secs 35 and 36 marked
S.C. with 5 notches on
N. and 1 notch on
E. edge, and raised
a mound of stone
along side.
Pit impracticable

5th Standard Parallel
 Chain

Surface rolling
 Soil Sub. rate
 Scattering cedar
 good grass

E. on the S. Ry.
 of Sec. 36

Va. 14° E.

4000

Set a malpais rock
 $18 \times 10 \times 8$ ins. 12 ins
 in the ground for
 standard "4 Sec. 36
 marked S.C. "4 on
 N. face

from which a
 juniper 10 ins. in diam.
 for S. 400 N. 234

links dist. marked
 S.C. "4 S.S. 5

a juniper 16 ins. in

N. through R. & H.

Hains

7000
 diam. trs. 4.100 ft. 360 links
 dist. marked S.E. 1/4 S.E. 1/4
 Set a malpais rock
 14 x 13 x 4 ins. 9 ins. in
 the ground for Standard
 Co. to S. 21 ft. S. 1 and
 2 ft. - 1 marked S.E. with
 6 notches on N. E. and
 N. faces. dug pits
 24 x 18 x 12 ins. crosswise
 on line of E. & W. of
 stone 6 ft. dist. Sand
 raised a mound
 of earth 2 1/2 ft. high
 15 ft. far along side.
 Surface rolling
 Soil 3rd. rate
 Scattering juniper
 Good grass

5th Standard Parallel & through
Chairs R. 2 St.

I carefully examined
the adjustments
of my Solar
Transit to-day
particularly of the
latitude and
reversing apparatus
and found them
correct.

September 21st 1850,

5th Standard Parallel N.
Chains through R. 1 W.

From the Standard
Cov. to Spr. 21 N. Rs. 1 and 2
W. point established
by me. I run
East on the S. by
of Sec. 31

16.44
4000

Refuse to S. Va. 13' 58' E.
Set a malpais
rock 12x10x6 ins. 8
ins in the ground
for ^{standard} "4 Sec. Standard
Cov. marked B "4
on N. face. dug
pit 18x18x12 ins (E. and
W. of stone 5 1/2 ft.
dirt) and raised
a mound of earth
1 1/2 ft. high 3 1/2 ft.
long

8000

Set a malpais rock

5th Standard Parallel Carris

16 x 7 x 6 ins. 11 ins. in
 the ground for
 Standard Cor. to
 Stgs. 31 and 32 marked
 S.E. with 1 notch on
 N. and 5 notches on
 E. edges. size 18 x 18 x
 12 ins. Sh. E. 8 7/8 ft. of
 stone 5 1/2 ft. dist.
 and raised a
 mound of earth 2 ft.
 high 4 1/2 ft. tall
 along side
 surface level
 Soil sub. white
 good grass

East on the S. Ry. of
 Sec. 32

Va. 13058' E.

A. through R. 1 H.
Davis

4000

Dig a post 2 ft. long
 3 ins. sq. with
 marked stone 12 ins
 in the ground for
 standard "4 Sec. floor
 marked S.C. "4 ~~HP~~ on
 N. face. dug pit -
 18 x 18 x 12 ins. E. & N.
 of post 5 1/2 ft.
 deep. and raised
 a mound of
 earth 1 1/2 ft. high
 3 1/2 ft. base around post.
 On S. side of ravine to S. 87° W.
 Road to S. St. and S.

66.40

8000

Leave prairie enter
 scattering juniper timber
 Set a post 4 ft.
 long 4 ins. sq. with
 marked stone 12 ins

5th Standard Parallel Chains

in the ground
 for Standard Cor.
 to Secs. 32 and 33
 marked S.C. with
 4 notches on E. and
 2 notches on N. edge.
 dug pits 18x18x12
 ins. N. E. and N. of
 post 5 1/2 ft. dist.
 and raised a
 mound of earth
 2 ft. high 4 1/2 ft.
 bare mound post.
 from which a juniper
 10 ins. in diam. for
 St. 216 links dist.
 marked T. 21 N. R. 17 N. B. D.
 & other trees within line to
 surface level
 and rate

N. through R. H.
Chain

Good grass
Scattering juniper timber

East on the S.

By. of Sec. 33

$74.13^{\circ}58'E.$

ascends gently

4000

Set a marble rock
14 x 8 x 5 ins. 9 ins.
in the ground
for Standard

Sec. cor. marked

S.C. 14 on N. face,

from which a
juniper 8 ins. in diam.

hrs. $4.55^{\circ}E.$ 11 links
dist. marked S.C. 14
S.P. J.

A juniper 6 ins. in
diam. hrs. $4.72^{\circ}N. 29$

5th Standard Parallel Lines

80,00
 Lugs dit. marked
 S. 6. 4 S. B. 5
 Set a malpais
 rock 20x10x5 ins,
 15 ins. in the ground
 for Standard Cor.
 to Secs. 33 and 34
 marked S. 6. with
 3 notches on E. & W.
 edge. and raised
 a mound of stone
 along side.

Pits impracticable
 from which a jumpers
 8 ins. in diam. N. 5.
 N. 46° E. 34 lugs
 dit. marked.
 V. 21 N. B. 1 N. S. 34 B. 5.
 N. the two within limits
 Survey of 1871.

St. through R. H.
Lains

Sol ~~in~~ ^{3rd} rate
Dune juniper bush

East on the S. By.
of Sec. 34
Tn. 1305 & E.

Ascend gradually

4000

Set a Malpais's
rock $16 \times 8 \times 5$ ins. 11 ins
in the ground for
Standard "4" Sec. 34 cor,
marked S.C. "4" on N.
face, and raised a
mound of stone
along side.

Pity impracticable

8000

Set a Malpais
rock $18 \times 10 \times 8$ ins.
12 ins. in the
ground for Standard

7th Standard Parallel Chairs

Quint
Pit. Am.

Step

Cor. to Secs 34 and 35
marked S.C. with

4 notches on N. and
2 notches on E. edge, and
from which a juniper
Guis. in diam. 10 ins.

St. 410 E. 2 3 Links

dist. marked S. 21 N.

Q. 17 N. S. 25 B. 5,

a juniper 10 ins. in
diam. 10 ins. St. 480 N. 45

Links dist. marked
S. 21 N. Q. 17 N. S. 34 B. 5.

A juniper 8 ins. in diam.
St. 420 N. 45 Links

dist. marked

no other ^{Q. 17 N. S. 34 B. 5} ^{Q. 17 N. S. 34 B. 5}

Surface slopes N. W.

Soil sandy 4" rate

Dune Juniper bush

Tr. through Range N. Lains

East on the S. By. of
Sec. 35
Va. 13058'E.

ground

3400

Top of ridge trs. N. of S.

land descend

4000

Set a malpais rock

18x12x6 ins. 12 ins. in

the ground for standard

Set to 14th Sec. numbered

S. 6. "4 on N. face

From which a Juniper

4 ins. in diam. trs.

N. 46° E, 57 links dist:

marked S. 6. "4 S. B. 5.

a Juniper 4 ins. in

diam. trs. N. 150° W.

34 links dist: marked

S. 6. "4 S. B. 5.

47.16

Dry wash 25 links wide to N.

5th Standard Parallel

Chain

73.00 Low juniper water oak brush
 80.00 Set a malpais rock
 20x12x7 ins. 15 ins. in
 the ground for Standard
 Co. to Sec. 35 and 36
 marked 1/2 with 5
 notches on N. and
 1 notch on E. edge,
 and raised a mound
 of stone along side.
 Rep. impracticable
 Low mountainous
 Soil rocky 4th rate
 Low oak and juniper
 brush

E. on the S. 24. of Sec.
 36.

No. 13058 E.

27.00 E. on low juniper

A. through R, A.
Davis

- 4000 large oak brush
 Set a malpais
 rock 16x12x6 ins.
 11 ins. in the ground
 for Standard "4 Sec.
 for marked S.B. "4
 on A, fan, and
 raised a mound
 of stone alongside.
 This impracticable
 from which a
 Juniper 18 ins. in
 diam. fr. N. 48° E.
 80 yards dist.
 marked S.B. "4 S.B. 5
 No other trees within limits
- 4700 Ascend through dense
 Juniper
- 5500 Top of mt. fr. N. and
 W. ascends to the N.

5th Standard Parallel
Chain

- 6000 Ditch
65.40 Foot of mt. Cross
dry wash 15 miles wide
Geo. S.E.
- 79.78 Dry wash 8 miles wide
Geo. S.W.
- 8000 The Cor. to Sp. 21 N.
As. 1 E. and 1 W. which was
repeatedly described ^{by me} as
surface rocky and mountainous
Soil 4th salt
Some quinine and
oak brush
Some grass

I carefully examined
the adjustments
of my solar transit.
to-day particularly
the latitude read

N. through R. & H.
Chain

reversing apparatus
and Handed them
correct
September 22nd 1873.

For final outts see
Book A. 0 28

U. S. Surveyor General's Office,

Tucson, Arizona, 188

The foregoing Field Notes of the Survey of the

5th Standard Parallel North
through Ranges 1, 2 and 3
West,

Of the Gila and Salt River Base and Meridian, Arizona, execu-
ted by J. T. Smith, U.S.

Deputy Surveyor, under his contract of the 24th.

day of July, 1883, having been

critically examined and the necessary corrections and explana-

tions made, the said Field Notes and the surveys they describe

are hereby approved

Royce Johnson
Surveyor General.