

Capital P-1

Book 1663

See Index

Field Notes

OF THE SURVEY OF

BOOK 1663

Retrospect of
the N. By. of Tps. 17 N.
R. 1 W. Twp.
Tps. 20 N. R 3 W.
1663

Gila and Salt River Base and Meridian

ARIZONA.

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

Under contract dated *July 24th 1873*

Survey commenced *Sept. 7th 1873*

Survey completed *Sept. 27th 1873*

1663

Special Indexed

1663

Index

H. B. J. 17 N. R. H. pages 1 - 12
H. B. J. 20 N. R. 3 H. " 13 - 25

BOOK 1663

14	6				
9	7				
7	18	N. 17 H.	R. 17 H.		
5	19				
3	30				
1	31				

2	3	6			
2	1	7			
18	18	N. 20 H.	R. 3 H.		
1	6	19			
1	4	30			
1	3	31			

1663

BOOK

1A
1663

For description of instruments
and preliminary work see
Book No 1

Survey commenced
Sept. 7th 1883

Survey completed
Sept. 27th 1883

Tracing N. Boundary of Sp. 17 A.
 Chain

From the Standard Cor.
 to Sp. 17 N. Cor. and 2
 N. recently described by
 me. Run
 North N. Sec. 81 2d 36
 Va. 17° 55' E.

+95 Descend into small valley
 Dry wash 8 links wide Res. St.
 Spand bluff of rock

10.00 Top of bluff 300 ft. high
 fr. N.E. & N.W. strike
 descend over broken mt. ridges
 and gullies

35.00 Ravine 60 links wide Res. St.
 and ascend

40.00 Finding no cor. Establish one
 as follows.
 Set Va sandstone 24x16x8 ins.
 18 ins. in the ground for
 14 - Sec. line marked. "4

Range 17
 Chain

on N. face and raised a mound of stone alongside
 pit impracticable
 on point of rocks around
 over rocky ledge

55.61

Granite crevice 80 links wide
 60 ft. in canyon 150 ft. deep
 water in back of
 rocky bluff to E. & N.

63.00

Top of bluff to E. & N. and around

75.00

Canyon 80 ft. deep 8 ft.
 deep 4 in. wide. to S. & N.

and mound

77.00

Top of bluff to E. & N.

80.00

Findings for 9 Set one far hollow
 Set a granite rock 20x10x6

ins. 15 ins. in the ground

for loc. to Dec. 25. 30. 31

and 36 marked with 1 notch
 on S. and 5 notches on N.

edges and raised a mound of

Retracing N. Boundary

Chain

Stems along side.
 Pits unproductive
 on ledge of rocks
 Surface mountainous and
 rocky
 Soil & water
 No timber Some grass

North bet. Secs. 25 and 30
 Va. 130 56° E.

10.00 Along N. slope of Mt.
 Deep cañon bet. N. & chain
 dirt with water

22.00 Descend N. N. slope
 37.20 Dry wash 20 feet wide
 bet. S. N. and ascend

40.00 gradual slope
 Find a piece of malpais rock
 18 x 14 x 5 ins. 12 ins. in the
 ground for 14 Sec. cor.

of Exp. of N. C. R. 17.
 Chains

- marked "4" on N. face and
 dug pits 18x18x12 ins. N.
 and S. of stone 5 1/2 ft. dist.
 and raised a mound of
 earth 1 1/2 ft. high 3 1/2 ft.
 base alongside.
- 55.00 Top of mt. ridge to. N.E.
 to S. W. and descend
 abruptly
- 60.00 Dry wash 30 links wide
 to S. W. ascend
- 66.06 Foot of bluff of rock
 80 ft. high to. E. & W. ascend
- 69.00 Descend abruptly
- 76.14 Dry wash 50 links wide
 to S. W. & ascend
- 80.00 Findings in 1889-90 to 1910-11 one as follows
 Cut a lens of soil 24x10x6 ins
 18 ins. in the ground
 for Cor. to Sec. 19. 24. 25 30
 marked with 2 notches on S.

Retracing N. Boundary of
Chain

and 4 notches on ledges;
and raised a mound
of stone alongside.

Top impracticable
Surface mountainous
Soil 2nd. rate
No timber
Some grass

N. lat. Dec. 19th & 24
Var. 10° 55' E

Ascending

11.00

Top of mt. for N.E. S.W.
descend

23.00

Dry work 20 links wide
Co. S.W. ascend

40.00

Finding no Cor. I establish
one - as follows.

Set - a Dalpini rock
28x9x6 ins. 21 ins. in

Sp. 17 St. R. N.

Chairs

the ground for "4" Sec. 10,
marked "4" on N. line
and raised a mound
of stone alongside.

Pits impracticable

47.00 Sp. of int. and down

59.00 Dry wash 15 links wide.
top S. N.

67.00 Dry wash 18 links wide
top S. N.

73.00 along S. N. slope of int.

80.00 Finding no lead. I establish one
as follows.

Set a malpais 24x10x6 ins.
18 ins. in the ground for
loc. to Sec. 10. 18. 1952 &
marked with 3 notches on N.
and S. edges, and raised
a mound of stone alongside
Pits impracticable

Pitaring St. Bonellave
Lavis

Surface mountainous
Dirt sub. rate
Good grass

St. Mt. Sec. 13818

Var. 13056 E.

10.00

Dug well 15 links wide
1/4 ft.

40.00

Finding no Cor. I water flush
out as follows.

Set a malpais 5x5x6 ins.

12 ins. in the ground for

1/4 Sec. Cor. marked 1/4

on N. face, and raised

a mound of stone

alongside. Pit. Unpracticable

From which a Pinion 5 ins.

in diam. bro. 100 ft. 20

links dirt. marked

1/4 S. B. S.

of Sp. 17th St. Range 1st N.
Chain

- No other trees within limits
D₁₀₀₀ and
- 47.50 Dry wash 10 links wide to N.
- 50.50 Dry wash thru down same
3 chs.
- 53.50 Leave wash No. N. 100 E.
- 60.00 Dry wash 30 links wide
No. N. W. around S. W. slope
- 80.00 Finding no cor. I establish
one as follows.
- Set a malpais rock
18 x 18 x 6 ins. 12 ins. in the
ground for cor. to S. W.
- 7, 12, 18 and 15 marked with
4 notches on E. and 2 notches
on N. edge, and raised
a mound of stone
along side. Pit impracticable
Surface mountainous
Set 2nd. rate
good grass no timber

Retracing N. Boundary Chain

N. lat. Secs. 7th & 12
Twp. 13th 58th E

ascending

- 2.00 Top of Hill frs. SE, and NW
4.50 Found abruptly to work
15.05 Verde river 30 yds. wide
 Sec. E. Deep water
 Enter valley land
16.10 Irrigating ditch Sec. E.
20.28 Board fence frs. E. & W.
20.33 Irrigating ditch Sec. E.
20.65 Road frs. E. & W.
22.40 Henry J. Pelt's Home frs.
 N. of line 3 Chs.
23.00 Leave valley and ascend mt.
40.00 Reaching Mrs. Cox. I set the
 rod as follows.
Set a small pair rock 28x8x5
 ins. 21 ins. in the ground
 for "4 Sec. Sec. marked "4

T. N. 12 N. Range 1 N.
 Chain

or N. face and raised a
 mound of stone alongside
 Pit's impassable
 from which a cedar 14 ins.
 in diam. ^{to} S. 64° N. 16
 lbs. ^{marked} ^{L.S. 13} dist. ^{to} other trees in limits

41.00 Top of mountain

80.00 Bridging no loc. I establish
 one as follows.

Set a Malpais rock 18x2x3
 ins. 12 ins in the ground
 for loc. to S. 1. C. 7 and 12
 marked with 5 notches on
 S. and 1 notch on N.
 edges, and raised a
 mound of stone alongside
 Pit's impassable

Surface mountains
 Soil 1st and 2nd. rate
 good grass

Retracing N. Boundary Lines

North lot. Sec. 1 and 6
 Va. 130° 58' E

4000 Finding no cor. I establish
 only as follows:
 Set a walpau 18 x 10 x 6 ins.
 12 ins. in the ground for
 1/4 Sec. Cor. marked 1/4
 on N. face and raised
 a mound of stone
 alongside. Dip impracticable
 Run 75 links with 40 E

4300
 8000 Finding no cor. I establish
 only as follows:
 Set a walpau 20 x 14 x 8
 ins. 15 ins. in the ground
 for cor. to Toss 17 or 18
 N. Co. 1 and 2 N. marked
 with 6 inches on each
 edge dug 2 1/2 p. 4 x 18 x 12
 Run 1/4 Sec. E. S. & N. of stone

of Sep 17 St. Regis N.
 Chain

on line, 6 ft. dist. and raised
 a mound of earth $2\frac{1}{2}$ ft.
 high 5 ft. One straight
 surface level
 Soil and water
 good grass

I found no trace of Corvax,
 on this line. And as the
 topography did not correspond
 or agree within half a mile,
 I re-established it as above.

September 7th, 1853

I carefully examined the adjustments
 of my solar transit
 to day particularly
 the latitude and leveling
 apparatus and found
 them correct

Retracing N. B. S. 20 et.

From the cor. to Sps.
19 and 20 et. Rs. 13 and
47. quit. re-established
by me. I run
North bet. Sps. 31 and 36
Var. 13° 5' - 6' E.

ascend gradually

16.70

Dry wash 780 links
wide cor. S. W.

40.08

To a point - 8 links E.
of the ^{44th} cor. to which
is a limestone 10 x 8 x 6
ins. firmly set in the
ground. ^{properly marked} No pits or mound
of stone. I re-established
it by building a
mound of stone along side.
Pits impracticable

52.50

Dry wash 60 links wide
60 S. W.

R. & E.

Chains

58.00 Ground rocky bluff
 80.10 To a point 4 miles E. of
 the Cen. to Secs. 25, 30, 31
 and 36 which is ^{partly washed}
 sandstone ~~is~~ in
 a mound of stone. I
 re-established by building
 a mound of stone
 along side. Pitt. impracticable
 Surface mountainous
 Soil 2nd. rate
 Grass fair
 No timber

North bet Secs. 25 and 30
 W. $14^{\circ}30' E.$

ascend

800
 Top of mt. ridge ascends
 to the West and descends
 to the East.

Retaining N. C. J.

Chairs

- 9.00 Dressed N.E. slope
- 40.67 To a point - 15 links N
of the "4 Sec. Cor. which
is a sandstone ~~24~~ x 6 x 4
ins. in a mound
of stone, marked "4 on
N. face. I re-establish
Cor. by building a
mound of stone alongside.
Pits unfracturable
- 81.00 To the Cor. to Secs.
19, 24, 25 and 30 which is
a sandstone ~~20~~ x 12 x 5 ins.
firmly set in the ground
marked with 2 notches
on S. and 4 notches
on N. edge, with a
mound of stone alongside.
Pits unfracturable
from which a jumper

20 N. R. 3 N.

Chairs

12 ins. in diam. ^{to} S. 45-0 N.
 40 links dist - marked
 T. 20 N. R. 4 N. S. 25-0 N.
 a Pinon 8 ins. in diam. 35.
 N. 80 E. 20 links dist - marked
 T. 20 N. R. 3 N. S. 19-0 N.
 No other trees within limits
 Surface worn thin
 Soil 2nd. rate
 Scattering juniper and
 Pinon scrub
 Grass fair

North Pat. Secs. 19 and 24

Ya. 14012' E.
 ascending S. N. slope

- .15 Dry wash Co. 1 N. N.
- 12.00 Top of mt. Co. N. N. & S. E.
- 20.00 To pond
- 40.87 To the loc. to "4 Sec. which

Returning N. R. 20
 Harris

is a sandstone ~~8x8x3~~
 ins. marked "4" on N.
 face. set in a mound
 of stone. I re-established
 loc. by building a
 mound of stone
 along with.

But impracticable
 78.00 Foot of mt. to S. N.
 and N. and across
 dry wash 16 links
 wide to N.

80.20 Is a point 12 links E.
 of the loc. to locs. 15,
 19, and 24 which is a
 sandstone ~~8x8x3~~ ins.
 marked with 3 on S. side
 on N. and S. edge.
 set in a mound
 of stone. I re-established

N. Range 3 West.

Chairs

Cor. by building - mound
of stone along side,
Pis. impracticable
Surface mountainous
April 2nd. rate
Dune Cedar and Pine
brush
Grass fair

North bet. Secs. 13 and 18
Ta. 140 58' E.

- 2.00 Round
- 2.00 Top of mt. ridge bet.
N.W. and S.W.
- 24.00 Dune along N.W. slope
- 45.00 Finding two Cor. R
establish one as follows.
Set a lunette 14x12x6
ins. 9 ins. in the ground
for 114 in. Unmarked

Refracting N. B. J. 20 N. Chains

114 on N. face,
from which a
Pitton 5 ins. in diam.

hrs. S. 40° E., 18 links
dist. marked 14 N. B. J.

A Pitton 6 ins. in diam.
hrs. S. 61° W., 9 links dist.
marked 14 N. B. J.

44.50

Dry wash 80 links wide
fluv. N. W. Foot of ridge
around S. E. slope

8000

Finding not cor. I selected
one as follows..

Set a limestone
18x10x6 ins. 12 ins. in
the ground for cor.
to Secs. 7, 12, 13 and 18
marked with 4 notches
on E. and 2 notches
on N. edge.

R. & H.

Chains

from which a
 Pinon 5 ins. in diam.
 br. N. 400 E. 30 links
 dist. marked J. 20 N.

R. & H. S. 7 B. J.

a Pinon 5 ins. in diam.
 br. S. 480 E. 35 links dist.
 marked J. 20 N. R. & H.

S. 18 B. J.

a Pinon 6 ins. in diam.
 br. S. 450 N. 22 lbs. dist.
 marked J. 20 N. R. & H.

S. 13 B. J.

a Pinon 6 ins. in diam.
 br. N. 110 N. 28 links dist.
 marked J. 20 N. R. & H.

S. 12 B. J.

Surface broken and rocky
 Soil 3rd. rate
 Dense Chaparral + Pinon Brush
 ground fair

Rehacing N. B. J. 20
Lavis

- North East. Elev. 7000 ft
Az. $150^{\circ} 55' E$
- Downed N. N. slope
- 12.00 Dry wash 100 ft wide, Co. 17
- 13.00 Peak point of steep mt.
- 27.00 Top of mountain N. E. or N.
and downed N. N. slope
- 36.00 Dry wash 8 miles wide
Ac. N. N. and around
S. E. slope
- 40.00 Finding no Co., I set a
limestone 20x12x5 ins. 15
ins. in the ground for
"4 Co. Co. marked "4
on N. face and grained
a mound of stones
alongside.
- Pit is unproductive
- See top of limestone ledge
- 41.50 Top of limestone Butte

A. R. 37.

Chairs

80.00

about 300 ft high descend
ste. slope

Drinking water. I set a
sandstone 24x14x13 in. 18 ins
in the ground for water.

To Sup. 1. 4. 7, and 12
marked with 5 notches on
S. and 1 notch on
N. edge. and raised
a mound of stone
along side. pits
unpractical

Depth of perpendicular
ledge of rock 50 ft high
Very an mountainous
Soil red. rate
Dense grass and
Pine & Birch

23
 Retracing N. B. V. 20
 Lewis

North lat. Sec. 1246
 Va. 13058'E

Descend from cliff

11.5 Dry run 50 links
 wide 60 ft.

Enter valley

12.00 Round bluff of rock 80 ft.
 high br. E. & W.

14.80 Top of cliff and around
 gradually

40.00 Finding two hor.

I set a limestone 14x10x4
 ins, 9 ins. in the
 ground for "4" by hor.
 marked "4" on N. face,
 from which a

Pinon tree 4 ins. in
 diam. br. S. 74° E. 64
 links dist. marked
 "4" S. B. V.

N. R. 3 H.

Chain

a pylon 7 ins. in diam. for
 West. 15 link dist.
 marked "4 S. B. J."

7.50

Submit. 5th Standard
 Parallel, N. 39.15' Cho.

N. of the Standard Cor.
 to Secs. 32 and 33, which
 was recently established
 by me. At the
 point of intersection
 I set a malpais
 rock 16x15x4 ins. 11 ins. in
 the ground for closing
 Cor. to Twp. 20 N., R. 3
 and 4 W. marked C.C.
 with a notch on S. E. S. H.
 edges. and raised a
 mound of stone alongside
 from which a center
 8 ins. in diam. bears S. 48° E.

25

Retracing N. R. S. 20 N. R. 37.
Chs.

40 miles dist. marked
S. 20 N. R. 37. S. 6 B. F.
no other trees within limits
Surface mountainous
Soil 3rd. rate
Dense Juniper and Pines
timber

I carefully examined
the adjustments of
my Solar Transit
the day particularly
the latitude and
reversing apparatus
and found them
correct.
September 27th 1883

For final acts see
Book No. 28.

U. S. Surveyor General's Office,

Tucson, Arizona, 188

The foregoing Field Notes of the Survey of the

Retracing of the West Boundary
of Township 17 North Range 1 West
and Township 20 N. R. 3 West.

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

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.