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1668 Copied

BOOK 1668

Chambers

See Index

Field Notes

Retracing

OF THE SURVEY OF

The Retracing

BOOK 1668

1668

The Principal
Meridian through
Townships 20 N.
and 19 N.

Gila and Salt River Base and Meridian

ARIZONA.

By J. T. Smith D.S.

Under contract dated July 24 1883

Survey commenced September 15 1883

Survey completed September 15 1883

1668

Index

Prin. Mer. through Sp. 20 N. pages.
11 to 22

Prin. Mer. through Sp. 19 N.
pages. 1 to 10

BOOK 1668

Pr. Mer.

1 20 6

12 18 7

S. 20 N., R. 1 E.

13 16 18

S. 20 N., R. 1 E.

24 15 19

25 13 30

36 11 31

1 8 6

12 7 7

S. 19 N., R. 1 E.

10 5 18

S. 19 N., R. 1 E.

24 4 19

25 2 20

36 1 31

1668

BOOK 1668

For description of
mechanical and
preliminary: see
see Book No. 1

Survey commenced
September 15th 1873

Survey completed
September 15th 1873

Retracing Meridian through chains

From the cor. to cfs.

18 and 19 of Co. 1 E. and
7. which is a recently
pre-established by
by me myself of
North 1/2 Sec. 31 and 36

Pa. 130 57 E.

0.05-

To a point 4 lbs. E. of
"4 sec. cor. which is
a marble rock 4x4 ins.
properly marked and
firmly set in the ground
with a mound of soil
alongside. I will
be done.

0.06

To the cor. to Secs. 25, 30, 31
and 36. which is a
post 4 ins. sq. firmly set in ground
marked and properly
set.

Sp. 19 A.
Chairs

with pits in each
Sec. and a mound
of earth around foot.
The pits are
recessed to be
seen from above.

Surface level
Soil at site
Scattering tender
globe grass

North pt. Secs. 25 and 30
Tn. 12-58'E.

21.80
40.00

Dry wash 80 lbs. W. SE.
To a point 4 links
N. of the 44 Sec. cor.
which is a maffair
rock 10x6 ins. properly
marked and firmly
set with a mound

Retracing Mounders through
Chains

of stone alongside
of ~~the~~ mound

64.14 Dry wash 70 links
with lev. S.W.

66.25 Dry ^{wash} 60 links wide W.
of E.

70.00 To a point 12 links
E. of the lev. to
Sew. 19. 24. 25 and 30
which is a malpais
rock 12 x 5 ins. properly
noted and firmly set
in the ground
with a mound
of stone alongside
of ~~the~~ mound

of surface level
Soil (etc. note)

J. G. V.
Chairman

Scattering Cedar
Good grass

North Mt. Dec. 19th 24

No. 13058 E.

820

Dry wash 100 links wide
lev. S. W.

39.60

Dry wash 80 links wide
lev. S. E.

29.97

To the 114 Sec. lev
which is a map pair
rock 12 x 4 ins. properly
marked with ^{firmly set in ground} a ^{permanent} ^{mark}
around it stone alongside

42.00

Dry wash 65 links wide
lev. S. W.

52.89

Dry wash 60 links wide
lev. S. E.

Returning Mountain
Chains

50.05 To a point 7 lbs. N.
of the cen. to Sec.
13, 18, 19 and 24
which is a mafic
rock 9x4 ins. perfectly
notched with
mound of stone
along side.

set &

Surface level
Soil sub. red
Dune brush along creek
or dry wash
good grass

North bet. Secs. 13 & 18
Va. 13° 55' E

2000 Dry wash 8 links
wide Sec. 7N.
4000 To a point 3 links

Retracing Meridian
Lines

From which a cedar
14 ins. in diam. to
S. 35° W. 169 links dist.
marked J. 19 N. R. 1 N.
S. 12° W.

~~Another tree within limits~~
Surface rolling
Grill 2nd. rate
Good grass

North lat. Secs. 7 and 10
Va. 13055' E

275
40.30
Road to N.E. and S.W.
To a point 5 links
N. of "4 Sec. line.

Vertical is a malpais
rock 10 x 4 ins. properly ^{rest} marked
with a ^{marked} mound
of stone, along with
a ^{marked} mound

through Sep. 19th
Chains

70.00 ascend mountain
 5.14 To top Sec. to Sec.
 1, 6, 7 and 12 which is
 a sandstone 12 x 4 in
 fragments and
 a mound of stone
 alongside.

Surface rolling
 Top End. rather
 scattering cedar
 good grass

North bet. Sec. 1 and 6
 Va. 13° 5' - 8' E.

ascending
 10.00 Top of first ridge bet.
 Sec. 7 to 11. and descend

Restoring Meridian Chains

18.00	Bottom of cañon and around
24.00	Top of bridge br. E. & W. and I discard
36.60	Dry wash, 15 links wide Rev. S. W. and around
40.00	Go a point 12 links E. of the 114 Sec. cor. which is a malpais rock 10x5 ins. properly marked with a mound of stone alongside. A small mound of stone from which a cedar 12 ins. in diam. br. S 27° E. 21 lbs. dip marked 114 S. B. V. No other trees within limits
50.00	Top of mesa
55.00	Top of the cor. to Top.

through J. 19 St.
 Lewis

19 and 20 St. Rs. 1 E. and
 1 St. which is a post
 4 ins. sq. properly marked
 and ^{marked} with a
 mound of stone around the
 post.

Surface rolling
 Soil 3rd. subf
 Scattering cedar
 Grand fir

Retracing the Principal Meridian
Chains

From the Cor. to Tps.
19 and 20 N. R. 1 E.
and 1 W. on the principal
Meridian ^{recently re-described by me.} 1/2 mile
North W. Sec. 31 and 36
Tn. 18° 56' E.

3.00
25.59

Descend
Dry wash 15 links
wide to S. W.
and ascend

39.06

To a point 14 links E.
of 44 Sec. Cor.
which is a malpais
rock ^{its form is in ground} 8 x 3 ins. marked
114 on N. face, and
a mound of stone
alongside.
From which a juniper
3 ins. in diam. ^{found}
S. 30° E. 13 links dist.

through Sp. 20 cr.

Chassis

43.00
46.50
78.26

marked "4 S. P. F.

Top of hill frs. E. & W. and
discuss

To a point, 20 links E.
of the Cor. to Sp. 25, 30, 31 and 36 which
is a Malpais rock
12x5 - set firmly in ground
1 notch on S. and 5
notches on N. edge,
and a mound of
stone alongside.
Pit unproductive.
From which a juniper
8 ins. in diam. frs. S. 65° E,
7 links dist. properly
marked.

A juniper 10 ins. in diam.
frs. N. 27 links dist.
properly marked.

Retracing the Principal Lains

No other trees within limits
 Surface rough and rolling
 Soil 3rd rate
 Dense Cedar, Juniper
 and Pinon brush

North tet. Secs. 25 and 30
 Va. 13° 56' E.

Descending

Dry wash 25 feet wide
 Co. S. W. ascend gradually
 To 114 Sec. Co. which

is a Malpais rock 134
 its ^{at junction in ground} ~~is~~ ^{is} ~~marked~~ ^{is} ~~marked~~ ^{is} ~~marked~~

W. face and a
 ground of stone alongside
 from which a Juniper
 4 ins. in diam. 10 ft
 S. 34° E, 25 lbs. dist.
 properly marked

6/3

39.90

Through Sp. 20 St.
Chain

78.64 No. thru trees within limits.
 To a point - 12 links N.
 of the Cor. to Sus.
 19.24, 25 and 30 which
 is a ^{founder set up} ~~rough~~ ^{rough}
 8x4 ins. ^{marked} with
 2 notches on S. and
 4 notches on N. edges,
 and a mound of
 stone alongside
 from which a
 juniper 6 ins. in diam
 brs. S. 70° E, 39 links
 dist. properly marked
 surface rolling
 soil 3rd. rate
 Down cedar juniper
 and pine brush
 no grass

Retracing the Principal Chains

North bet. Secs. 19, 20, 24
Va. 13° 58' E.

36.20

Ravine Co. S. T.

39.48

To a point 5 links
N. of 114 Sec. Cor.
which is a Pinon
tree 5 ins. in diam.
marked "4" on that tree
from which a Pinon
6 ins. in diam. tree
S. 100 E. 4 links
dist. marked
"4 S. B. T."

78.10

To a point 17 links
E. of the Cor. to Secs.
13, 18, 19 and 24
which is a Malpais
rock 8 x 5 ^{set parallel in ground} ins. marked
with 3 notches on
N. & S. edges and

Meridian through T_p. 20 St.
Chains

a mound of stone alongside
from which a Juniper
5 ins. in diam. Trs.
St. 8° E. 15 links dist.

properly marked

A Juniper 7 ins. in
diam. Trs. S. 60° W.

4 links dist: ~~not~~

properly marked
No other trees within limits
Surface rough & rolling
Soil 2nd. rate

Dense Juniper cedar
and pinyon brush
and timber

North on a random
line bet. Secs. 13 and 18
Co. 13056 E.

4000 I found no Mer.

Retracing the Principal Chains

- 50.16 Dismount into Bell's cañon
- 58.00 Centre of cañon 250 ft.
deep loc. S.H.
- 60.56 Top of bluff on N. side of cañon
- 89.54 To a point 30 links
N. of the loc. to S.W.
7, 12, 13 and 15 which is
a *Malpais* ^{set firmly in ground} *4x* pins, marked
with 4 notches on it
and 2 notches on N. edge
and a mound of about
alongside, from
which a *Juniper*
limit 5 mis. in diam.
loc. S. 1206 21 links
dist. ^{property} marked
A *Juniper* 7 pins in diam.
loc. S. 1840 N. 12 links
dist. ^{property} marked
No other trees within limits

Meridian through T. P. Post.

Lewis

Thence I ran S. 80 12' N.
 over a true line bet.
 Secs. 13 and 18 with
 same cor.

41.77

Set a malpais rock
 16 x 8 x 4 ins. 11 ins. in the
 ground for "4 Sec. Cor."
 marked "4 on N. face
 from which a Pinion
 4 ins. in diam. brs.
 East 84 links dist.
 marked "4 S. B. T."

a Pinion brs. in diam.
 brs. S. 78° W. 34 links
 dist. marked "4 S. B. T."

83.54

The Cor. to Secs. 12, 18, 19 & 24
 surface broken
 both E. & W. side
 Dune juniper and
 Pinon timber

Retaining Principal Lairs

- | | |
|--------|--|
| | North Feb. Secs. 7 and 12
Va. 13° 58' E. |
| 39.08 | To a point 16 links N.
of C. Sec. Cor. which is
a Malpais 14x12 ins
firmly set in ground
marked 114 sec. N. Lau
and a mound of stone (abandoned)
from which a pinon
10 ins in diam. trs.
S. 5-0° E, 52 links dist.
properly marked.
A pinon 3 ins. in diam.
tr. N. 4 links dist.
properly marked |
| 46.00 | Down into Hells cañon
Cor. N. Lava timber |
| 5-4.20 | Center of Hells cañon top SE. |
| 60.00 | Top of right bank of
cañon trs. E. or N. |
| 64.00 | Down |

Meridian through Sp. 20 St.
Chains

- 7600 Dry wash Sec. 17.
Sand around
- 78.16 Take point 32 links
E. of the cor. to Sec.
16, 2 and 12 which
is a sandstone 14x4
m² firmly set in ground
marked with 5
notches on S. and 1
notch on N. edge, 10.
and from around
of stone alongside.
Surface taken, and mountainous
Soil 3rd. rate
Oak and buck brush
Good grass
- North bet. Secs. 1 and 6
Va. 13058' E.
- ascending
- 16.00 Top of mt. bet. Sec. 17.

Retracing Principal Lines

- 19.00 Downed St. N. slope
- 39.20 To a point 27 links
E. of "4 Sec. cor. which
is a sandstone 10×6
ins. ^{family set on ground} marked "4 on
N. face, and a mound
of stone alongside.
Downed abruptly into
cañon
- 44.42 Center of cañon cor.
S. N. 100 ft. deep and around
- 48.20 Top of ledge of rock
from E. to N. down cañon
- 66.15 Ravine cor. N.
- 79.14 To the ~~Sec.~~ cor. to Sp. 21 ~~at~~
Rs. 1 E. and 1 N.
which is a post.
properly marked
and a mound of
stone around post.

Meridian through Jp. 20 N.

Chains

Surface mountainous
and rocky
Soil 3rd. rate
Dense oak and hick
brush
good grass

September 15th 1873

I carefully examined
the 8 adjusting screws
of my Solar Transit
the day particularly
the level bubble and
reversing apparatus
and found them
correct.

BOOK 1668

For final sales
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 Principal Meridian
through Townships 20 North
and 19 North

Of the Gila and Salt River Base and Meridian, Arizona, execu-

ted by J. S. 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.