

BOOK 1667

*See Index*

1667

# Field Notes

OF THE SURVEY OF

*1st. Auxiliary Meridian  
West through  
No 2 North*

BOOK 1667

1667

*Gila and Salt River Base and Meridian*

ARIZONA.

By *R. C. Perren* D. S.

Under contract dated *Jan 2<sup>nd</sup>* 1883.

Survey commenced *Feb 4<sup>th</sup>* 1883.

Survey completed *Feb. 4<sup>th</sup>* 1883.

1667

1666

Index

1<sup>st</sup> Auxiliary Meridian  
West through  
Tp - 2 North -

BOOK 1667

1 10 6

12 8 7

P. 2 N.,

P. 5 N.

13 7 18

P. 2 N.,

P. 4 N.

24 5 19

25 4 30

36 2 31



## Preliminary Oaths of Assistants.

We Richard Shopes  
and Robert Hartly

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; that we will level the chain over 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 length 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

1<sup>st</sup> Auxiliary Meridian West, through  
Tps N. And the Exterior & Subdivision  
Lines, of Tps 2 N. R. 2 & 4 W.

of the principal base and meridian in the Territory of Arizona.

Richard Shopes Chairman.

Robert Hartly Chairman.

Subscribed and sworn before me, this 5<sup>th</sup>

day of February 1883.

R. C. Powers  
Notary Public.

We *Joseph Schwarz &*  
*Andrew Stark*

do solemnly swear that we will well and truly perform the  
the duties of *Monitors &*  
*Assessors*

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 *1st Auxiliary*

*Meridian, W. through Sp. 2 N.*  
*and the Exterior & Subdivision*  
*Line, of Sp. 2 N. R. 2 & 4 W.*

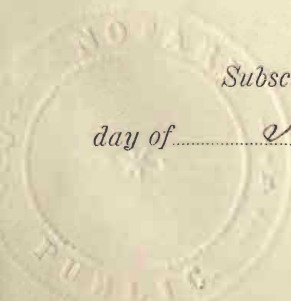
of the principal base and meridian in the Territory of Arizona.

*Joseph Schwarz*  
*Andrew Stark*

Subscribed and sworn to before me this *5<sup>th</sup>*

day of *February* 1883

*R. C. Porter*  
Notary Public.





1c

(No 1)

BOOK 1667

Preliminary Oaths of Assistants.

We Samuel H. Van Pelt  
and Richard Sheop

do solemnly swear that we will well and faithfully execute  
the duties of Chain Carriers; that we will level the chain over  
even and uneven ground, and plumb the tally pins, either by  
sticking or dropping the same; that we will report the true dis-  
tance to all notable objects, and the true length 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

Exterior & Subdivision lines, of Tps. 1 R.  
Rs 2, 3 & 4 N. Tps 1 S. Rs 2, 3, 4 & 5 N. Tps 2 S. R.  
5 N. & Tps. 3 S. R. 5 N.

of the principal base and meridian in the Territory of Arizona.

Samuel H. Van Pelt  
Richard Sheop chairman.

Subscribed and sworn before me, this 5th  
day of February 1883.

R. C. Powers  
Notary Public.



*of* Joseph Schwarz

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

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 1<sup>st</sup> Auxiliary Meridian  
W. through T<sup>ps</sup> 2 N. and the  
Interior and Subdivision  
Lines of T<sup>ps</sup> 2 N. R<sup>s</sup> 2 & 4 W.

of the principal base and meridian in the Territory of Arizona.

~~Oscar Gebler~~

Joseph Schwarz, Monument  
John Botwin

Subscribed and sworn to before me this 11<sup>th</sup>  
day of Feb February 1883

R. C. Powers  
Notary Public.



Preliminary Oaths of Assistants.

We <sup>David</sup> Taylor, <sup>M.</sup> Griffin, <sup>Saml. H.</sup> Van Pelt  
and <sup>Richard</sup> Shrope

do solemnly swear that we will well and faithfully execute  
the duties of Chain Carriers; that we will level the chain over  
even and uneven ground, and plumb the tally pins, either by  
sticking or dropping the same; that we will report the true dis-  
tance to all notable objects, and the true length 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  
1<sup>st</sup> Auxiliary Meridian N. through Sp 2 N.  
and the Exterior & Subdivision Lines  
of Sp 2 N. Rs 2 + 4 N.

of the principal base and meridian in the Territory of Arizona.

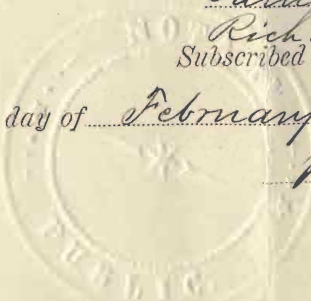
<sup>David</sup> Taylor ——— Chairman  
<sup>M.</sup> Griffin ——— Chainman.

<sup>Saml. H.</sup> Van Pelt ——— Chainman.

<sup>Richard</sup> Shrope  
Subscribed and sworn before me, this "5<sup>th</sup>"

day of February 1883

R. C. Powers  
Notary Public.





We Joseph Schwarz, James Patterson  
 and David Paylor, and Saul H. Van Pelt

do solemnly swear that we will well and truly perform the  
 the duties of Minuten and Arman  
Plagman, respectively

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 set Auxiliary Meridian  
N. through Tps 2 N. and the  
Exterior & Subdivision Lines, of  
Tps 2 N. Rs 2 & 4 N.

of the principal base and meridian in the Territory of Arizona.

Joseph Schwarz, Minuten  
James Patterson "  
David Paylor Arman  
Saul H. Van Pelt, Plagman

Subscribed and sworn to before me this 5<sup>th</sup>  
 day of February 1883

R. C. Powell  
 Notary Public.



1667

16

BOOK 1667,

Auxiliary Meridian West through  
Sp 2 North  
La & Salt River Meridian

Survey commenced  
February 4<sup>th</sup> 1883 with a  
Burt's Patent Improved  
Solar Compass made by  
John Roach of San  
Francisco California.

Before commencing the  
Survey of the 2<sup>d</sup> Auxil-  
iary Meridian West I

carefully examined the  
adjustments of my Solar  
Compass, <sup>and found them correct</sup> at the Cor. to Sp. 1 & 2

N. Rs 4 & 5 N. just recent-  
ly established by me I took  
the latitude and found it to  
be  $33^{\circ} 28'$  North, Hence  
I run North bet.

1st Auxiliary Meridian West. through  
Tp. 2 N.

Claim

Secs. 31 + 36.

Var.  $13^{\circ} 54' E.$

From this point Whoolsey Peak  
to S.  $26^{\circ} 20' W.$

Yutter Peak to N.  $9^{\circ} 19' W.$

Riecker Peak to N.  $45^{\circ} 20' E.$

40.00 Set a post 2 ft. long, 2 ins. sq.

with marked stone pins in

the ground, for  $\frac{1}{4}$  sec. Cor  
marked  $\frac{1}{4}$  S. on W. face,

dug pits 18 + 18 + 12 ins. W. S.

of post  $\frac{5}{8}$  ft. dist. and

raised a mound of  
earth  $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft.

base around post

80.00 Set a Post 4 ft. long 4 ins

sq. with marked stone pins.

1<sup>st</sup> Auxiliary Meridian West through  
T<sub>p</sub>. 2 N.

chains

in the ground, for cor. to Secs.  
25, 30, 31 & 36, marked  
P. 2 N. S. 30 on N. E.  
R. 4 W. S. 31. on S. E.  
R. 5 W. S. 36 on S. W. and  
S. 25 on N. W. faces, with  
5 notches on N. & 1 notch on  
S edges, dug pits 18x18x12 ins.  
in each sec. 5 1/2 ft. dist.  
and raised a mound of  
earth 2 ft. high 4 1/2 ft. base  
around post. from which  
abalone rods run. dist. to N. 57° W. 48  
lb. dist. marked P. 2 N. R. 5 W. S. 25 B. P.

Surface level  
Soil 2<sup>d</sup> rate  
None Greasewood Paloverde  
Bunch.



## set Auxiliary Meridian

Chains

North bet. Secs. 25 &amp; 30

Var.  $13^{\circ} 54' E$ .8.37 Dry wash 8 ft. deep. 28 lbs wide  
course  $S. 41^{\circ} W$ .40.00 Set a Post 3 ft. long, 3 ins. sq.  
with marked stone 12 ins. in  
the ground for  $\frac{1}{4}$  sec. cor. marked  
 $\frac{1}{4}$  S. on W. face, dug pits  
 $18 \times 18 \times 12$  ins. W. S. of post  
 $5 \frac{1}{2}$  ft. dist. and raised a  
mound of earth  $1 \frac{1}{2}$  ft. high  
 $3 \frac{1}{2}$  ft. base around post.41.80 Cross Dry wash 3 ft. deep. 45 lbs wide  
course  $S. 50^{\circ} W$ .80.00 Set a Post 4 ft. long, 4 ins. sq. with  
marked stone 12 ins. in the  
ground, for cor. to Secs. 19, 24, 25 &  
marked  $S. 2^{\circ} W$ .  $S. 19$  on  $N. E$ .  
 $R. 4 W$ .  $S. 30$  on  $S. E$ .



West through S. 2 N.

Chains

R. 5 W. S. 25 on S. W. and  
 S. 24 on N. W. faces, with  
 4 notches on N. and 2 notches  
 on S. edge, dug pits 18x18  
 x 12 in. in each sec. 5 1/2 ft.  
 dist. and raised a mound  
 of earth 4 ft. high, 4 1/2 ft. base  
 around post.

Surface level

Soil 2<sup>d</sup> rate

Large Greasewood & Cat-  
claw brush.

North bet. Secs. 19 & 24

Nov. 13 54 '81

4000

Set a post 3 ft. long, diam. 4 in.  
 with marked stake 24 in  
 in the ground, for 1/4 sec. cor.

1<sup>st</sup> Auxiliary Meridian

Lasius

marked  $1/4$  S on W. face, from  
which an Ironwood 8 in. dia. to  $S 57^{\circ} E. 31$   
lles dist. marked  $1/4$  S. B. T.

8000 Set a Port 4 ft. long, 4 ins. sq. with  
marked stone 12 ins in the ground,  
for Cor. to Secs. 13, 18, 19 + 24.  
marked S. 2 h. S. 18 on N. E.  
R. 4 W. S. 19 on S. E.

R 5 W. S. 24 on S. W. and  
S. 13 on N. W. faces, with  
3 notches on W. S. edges, dug pits  
 $18 \times 18 \times 12$  ins. in each sec.  $5/8$  ft.  
dist. and raised a mound of  
earth 2 ft. high  $4/8$  ft. base  
around port.

Surface level

Soil 3<sup>rd</sup> rate

Yuccaewood & Palo verde &  
Ironwood Brush.

West through T<sub>p</sub> 2 N.

chains

North bet. Secs. 13 & 18.

Cor.  $13^{\circ} 54' E$

14.36 Dry wash 4 ft. deep. 4 1/2 lbs wide,  
course  $S. 40^{\circ} W.$

40.00 Set a Post 3 ft. long 3 in. sq. with  
marked stone pins in the ground  
for 1/4 sec. Cor. marked 1/4 S.  
on N. face, dug pits 18 x 18 x 12  
in. W. S. of post 5 1/2 ft. dist.  
and raised a mound of earth  
1 1/2 ft. high 3 1/2 ft. base around  
post fine stretch  
a plow rode 5 in. N. E. to.  $N. 15^{\circ} W.$  90 lbs  
dist. marked 1/4 S. B. T.

50.52 Dry wash 4 ft. deep. 30 lbs wide, course  
 $S. 50^{\circ} W.$

80.00 Set a Post 4 ft. long, 4 in. sq.  
with marked stone pins in  
the ground, for Cor. to Secs.



1<sup>st</sup> Auxiliary Meridian

chains

7, 12, 13 &amp; 18, marked

R 2 W. S. 7 on N. E.

R 4 W. S. 18 on S. E.

R 5 W. S. 13 on S. W. and

S. 12 on N. W. face, with  
 2 notches on 7 and 4 notches  
 on 13 & 18, and pits 18 & 18 1/2  
 in. in each sec. 5 1/2 ft. dist.  
 and raised a mound of  
 earth 2 ft high 4 1/2 ft. base  
 around pit.

Surface level

Soil 2<sup>d</sup> rateScattering *Pilobolus*

Ironwood

Sense Cate claw marks.

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 North bet. Secs. 7 & 12.



West through T<sub>1</sub> 2 N.

Station

Cor.  $13^{\circ} 54' E$ 16.94 Dry wash 5 ft. deep. 20 lbs wash, course  
 $S 42^{\circ} W$ .34.59 Dry wash 5 ft. deep. 20 lbs wash, course  
 $S 46^{\circ} W$ .4000 Set a Post 3 ft. long, 3 ins. sq.  
with marked stone pins  
in the ground, for  $1/4$  sec.  
Cor. marked  $1/4 S$  on W. face,  
dug pits  $18 \times 18 \times 12$  ins. Prod.  
of post  $5/8$  ft. dist. and  
raised a mound of earth  
 $1/4$  ft. high  $3/4$  ft. base, around  
post.8000 Set a Post 4 ft. long, 4 ins.  
sq. with marked stone  
pins in the ground for.  
Cor. to Secs. 1, 6, 7 & 12 marked  
N. 2 N. S. 6 on N. E.

1st Auxiliary Meridian

chains

R. 4 W. S. 7 on S. E.

R 5 W. S. 12 on S. W. and  
 S. 1 on N. W. faces, with  
 1 notch on N. and 5 notches  
 on S. edge, dug pits 18 1/2 x 18 1/2  
 ins. in each sec. 5 1/2 ft. dist.  
 and raised a mound of  
 earth 2 ft. high 4 1/2 ft. base  
 around post.

Surface level

Soil 2<sup>d</sup> rate

None Greasewood & Acahuahual

North bet. Secs. 1 & 6.

Var. 13° 54' E!

4.94 Dry wash 3 ft. deep, 4 ft. wide, course  
 S 64° W.

10.00 Dry wash 6 ft. deep, 15 ft. wide, S 40° W

## West through to Tp. 2 N.

chains

4000

Set a Post 3 ft. long, 3 in. sq. with marked  
stone 12 in. in the ground, for  $\frac{1}{4}$  Sec.  
Cor. marked  $\frac{1}{4}$  S. on N. face, dug  
pit 18 x 18 x 12 in. 2 ft. S. of post  $5\frac{1}{2}$   
ft. dist. and raised a mound of  
earth  $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base around  
Post.

57.98 Dry wash 5 ft. deep. 24 ft. wide, on S.  $30^{\circ}$  W.

80.00

Set a Post 4 ft. long 4 in. sq. with marked  
stone 12 in. in the ground, for Cor. to  $\frac{1}{4}$  Sec.  
2 x 3 N. Rs 4 x 5 W. marked  
R. 3 N. S. 31 or N. E. R 4 N. S. 6 on S. E.  
R 2 N. S. 1 on S. W. and R 5 N. S. 36 on N. W.  
faces, with 6 articles on each edge, dug pit  
24 x 18 x 12 in. <sup>lengthwise</sup> on each line N. S. E & W. of  
post. 4 ft. dist. and raised a mound of  
earth  $2\frac{1}{2}$  ft. high  $5\frac{1}{2}$  ft. base around  
post. from which to.  
Tulture Peak N.  $11^{\circ}$   $41'$  W.



1st auxiliary Mer. W. through Sp. 2 W.

Woolley Peak br S.  $20^{\circ}43' N.$   
 Rieckers Peak br N.  $78^{\circ} E.$  this  
 last Peak is near the center of  
 White Park Mountains & the  
 highest Peak.

Surface rolling & rocky  
 Soil 2<sup>d</sup> rate

Scattering Paloverde &  
 Ironwood trees, & some Grease-  
 woodbush.

I carefully examined the adjust-  
 ment of my solar compass today  
 particularly the latitude &  
 reversing apparatus and found  
 them correct.

February 4<sup>th</sup> 1883



## U. S. Surveyor General's Office,

TUCSON, ARIZONA, February 27, 1888

The foregoing Field Notes of the Survey of the

1st. Auxiliary Meridian  
West,Through Township 2  
North,Of the Gila and Salt River Base and Meridian, Arizona, executed by R. H. Powers,Deputy Surveyor, under his contract of the 20th  
day of January, 1888, having been  
critically examined and the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.J. W. Robbins  
Surveyor General.