

No. 1297

BOOK 1297

P1

*See Index*  
**Field Notes**

OF THE SURVEY OF

The 1<sup>st</sup>/<sub>4</sub> Standard Parallel North  
through Ranges 11, 12 and 13 East

BOOK 1297

No. 1297

*Gila and Salt River Base and Meridian*

**ARIZONA.**

By *Theodore F. White* D. S.

Under contract dated *Aug 27, 1880.*

Survey commenced *April 20, 1881.*

Survey completed *April 21, 1881.*

1297

Copied

BOOK 1297

Field Notes.  
for.

1A

at Standard North  
R<sup>s</sup> 11. 12 + 13 E.

Survey of the  
1<sup>st</sup> Stand. Parallel North.  
through R<sup>s</sup> 11. 12 + 13 E.

Through  
Range 11 East 1  
" 12 " 6  
" R. 11 E. 13 " 13

31	32	33	34	35	36
			X 3	2	1

R. 12 E.

31	32	33	34	35	36
6	7	8	9	10	11

R. 13 E.

31	32	33	34	35	36
13	14	15	16	17	18

13

**Preliminary Oaths of Assistants.**

BOOK 1297

We, Richard Shrope  
and Samuel K. Van Pelt

do solemnly swear that we will faithfully execute the duties of Chain Carriers; that we will level the chain upon uneven ground, and plumb the tally pins, whether 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.

Richard Shrope  
Samuel K. Van Pelt



Sworn to and subscribed before me, this 4th  
day of September, 1887

William J. Osburn  
Notary Public  
S. C.



We, Frank Carpenter, William  
Morrison and C. H. Patchett

do solemnly swear that we will well and truly per-  
form the duties of Axeman, Maundman  
and Hagman respectively,  
according to instructions given us, and to the best  
of our skill and ability.

Frank Carpenter

William Morrison  
C. H. Patchett

Sworn to and subscribed before me this 4<sup>th</sup>  
day of April, 1887

William J. Chan  
Notary Public  
Tina Co., O.



49.00 Road along Bottom course N. W.

1<sup>st</sup> Standard North

South Boundary of Tp. 5 N. R 11 E.

Gila & Salt River Meridian

chs  
From the Cor. to Tp. 5 N. Ranges  
11 + 12 E. which has been this  
day established by me from  
West on S. Boundary Sec. 36.  
it being along the 1<sup>st</sup> Standard  
North

Var.  $14^{\circ}12' E.$

as per Burts improved Solar  
Compass.

15.00 Road course S. E.

40.00 Set a post marked  $\frac{1}{4}$  S. 4 ft long  
flattened 3 ins. wide, with marked  
stone 12 ins. in the ground, and  
build wd of earth  $\frac{2}{3}$  ft high, with  
pits 18 + 18 + 12 ins. as per instructions  
for  $\frac{1}{4}$  Sec cor. from which bears  
a Mesquite 8 ins. dia. N.  $70^{\circ} W.$  34 lks dist  
a Mesquite 8 ins. dia. S.  $45^{\circ} E.$  40 lks dist.

47.00 Bottom of Pinto Creek

49.00 Road along Bottom course N. W.

1<sup>st</sup> Standard North Range 11 E.  
G + S. R. M.

Chs

69.00 Donto Creek 80 lps wide course S.

71.00 Dry Wash 300 lps wide course S.

80.00 Set a post marked & watched  
4 ft long 4 ins. sq. with marked  
stone 12 ins. in the ground, &  
build wd of earth 2 ft high  
with pits 18 x 18 x 12 ins. as per  
instructions for Cor to Secs.

... 35 x 36. from which bears  
a Cottonwood 10 ins. dia. S. 70° E. 34 lps dist

a Cottonwood 36 ins. dia. N. 27° E. 214 lps dist.

No other trees near.

Rich land in bottom,  
Cottonwood, Willow, & Mesquite

West on South Boundary of  
Sec. 35.

Var. 14° 12' E.

40.00 Set Igneous rock 15 x 12 x 8 ins.  
10 ins. in the ground, with



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1<sup>st</sup> Standard North Range 11 E.  
G. & S. R. M.

chs

marked stone, and build md  
of stone 2 ft high, as per instruct  
ions for 1/4 Sec. Cor.

80.00 Set Igneous rock 12+10+6 ins.  
8 ins. in the ground with marked  
stone, and build md of earth  
2 ft high, with pits 18+18+12, as  
per instructions for cor. to Secs.  
34 & 35.

First half mile in Creek  
bottom, then on Mesa, Soil  
good, then 2<sup>nd</sup> rate  
Some trees, & brush, in  
Bottom.

West on South Boundary of Sec. 34.  
Var 14° 12' E.

40.00 Set Igneous rock 11+10+7 ins.  
8 ins. in the ground, with marked  
stone, and build mound of

1<sup>st</sup>/<sub>4</sub> Standard N. R. 11. E.  
 G. & S. R. M.

chs

earth 2ft high, with pits  
 18+18+12 ins. as per instructions  
 for 1/4 Sec. Cor.

80.00 Set Igneous rock 13+11+8 ins.  
 9 ins. in the ground, with marked  
 stone, and build up of earth  
 2ft high, with pits 18+18+12 ins.  
 as per instructions for Cor. to  
 Secs. 33 & 34

Broken, Soil poor.  
 No timber.

April 20. 1881

Further West the line lies  
 on slopes of the Maytagal Mts.  
 the land is worthless & not  
 surveyable.



1st Standard N. R. 11. E.  
G. & S. R. M.

### General Description

The 1st Standard N. Range  
11 E. crosses Sarto Creek  
on E. end then ascends Mts.  
Some good land along creek  
with Cottonwood & Mesquite  
timber

Theodore J. White  
U. S. Deputy Surveyor.

1<sup>st</sup> Standard N. Range 12 E.  
G. & S. R. M.

chs

From the cor. to Sp. 5 N. Rs 11 & 12 E.  
first set by me 9mm.

East on S. Boundary Sec. 31.

Var.  $14^{\circ}12'$  E.

as per Solar Compass.

1.00 Dry Wash 50 lbs wide course S.

40.00 Set Igneous rock  $15 \times 15 \times 6$  ins. 10mm.

in the ground, with ~~marked~~ stone  
and build end of stone 2ft high  
as per instructions for  $1/4$  Sec. cor.

44.00 Top of ridge extending South

80.00 Set Igneous rock  $12 \times 10 \times 4$  ins.

8 ins. in the ground, with ~~marked~~  
stone, and build end of earth  
2ft high, with pit  $18 \times 18 \times 12$  ins.  
as per instructions for cor. to Secs  
31 & 32.

Mesa land, Soil 2<sup>d</sup> rate  
Scattering trees & brush

1<sup>st</sup> Standard N. Range 12 E.  
G. & S. R. M.

- Chs
- East on S Boundary Sec. 32.  
Var.  $14^{\circ} 12' E$ .
- 1.50 Dry wash 40 lbs wide course S.
- 8.50 Top of ridge extending S.
- 15.00 Dry wash 20 lbs wide course S.
- 40.00 Set Igneous rock  $15 \times 10 \times 8$  ins. 10 ins.  
in the ground, with marked stone  
and build end of stone off high  
with pits  $18 + 18 + 12$  ins. as per  
instructions for  $1/4$  sec. cor.  
from which bears.
- at lower end 3 ins. dia.  $7.80^{\circ} E$ . 93 lbs dist
- 41.00 Top of ridge extending South.
- 80.00 Set Igneous rock  $12 \times 10 \times 8$  ins.  
8 ins. in the ground, with marked  
stone, and build end of stone off  
high, as per instructions, for  
Cor. to Secs 32 & 33.  
Over broken ridges & spurs.



1<sup>st</sup> Standard N. Range 12 E.  
 G. & S. R. M.

chs

Soil poor.  
 Scattering trees & brush.

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East on S. Boundary Sec. 33.  
 Var.  $14^{\circ} 12' 8''$

21.00 Dry wash 30 lbs wide course E of S.

40.00 Set Igneous rock  $14 \times 12 \times 8$  ins. 10 ins.  
 in the ground, with marked stone  
 and build mid of stone 2 ft  
 high, as per instructions for  
 $\frac{1}{4}$  sec. cor.

46.00 Ascend high table land

80.00 Set Igneous rock  $12 \times 8 \times 8$  ins. 8 ins.  
 in the ground, with marked stone  
 and build mid of stone 2 ft high  
 as per instructions for cor. to Sec.  
 $34 \times 33$ . on top of high table land.  
 Over high ridges of Mesa.  
 No timber Some brush

1/4 Standard N. Range 12. E.  
 G. & S. R. M.

<u>chs</u>	
	East on S. Boundary of Sec 34.
	Var. $14^{\circ}12' E$
23.00	Descend from high table land
40.00	Set a granite <sup>stone</sup> 15 x 8 x 6 ins. 10 ins.
	in the ground, with marked stone and build up of stone 2 ft high as per instructions for 1/4 Sec. Cor.
51.00	Bottom of descent
57.50	Wash with water in holes 150 lbs wide
	course S. E.
76.00	Small stream of water 20 lbs wide
	course S. E.
78.00	Leave flat & ascend MESA
80.00	Set Gneiss rock 18 x 8 x 8 ins. 12 ins.
	in the ground, with marked stone, and build up of stone 2 ft high, as per instructions for cor. to Secs.
	34 & 35.

Broken & hilly Soil poor.  
 Some bycannon trees along

1st Standard N. Range 12 E.  
 G & S. R. M.

Ch<sub>2</sub>

Wash.

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East on S. Boundary Sec. 35.  
 Cor.  $14^{\circ}12' E$

1.20 Top of mesa extending S. E.

40.00 Set Porphyry rock  $15 \times 10 \times 8$  ins.

10 ins. in the ground, with marked  
 stone, and build mid of earth  
 2 ft high, with pits  $18 \times 18 \times 12$  ins.  
 as per instructions for  $1/4$  sec. cor.

80.00 Set Igneous rock  $12 \times 12 \times 10$  ins

8 ins. in the ground, with marked  
 stone, & build mid of stone  
 2 ft high, as per instructions  
 for cor. to Secs. 35 & 36.

Over Mesas sloping a little  
 South. Soil 2<sup>d</sup> rate  
 No timber.

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1<sup>st</sup> Standard N. Range 12. E.  
G. & S. R. M.

chs

East on S. Boundary Sec. 36.  
Var.  $14^{\circ}12'$  E.

2.20 Dry Wash 200 ft wide course S. E  
and ascend.

40.00 Set Igneous rock  $30.25 \times 20$  in.  
22 in. in the ground, with marked  
stone, and build end of stone  $2\frac{1}{2}$   
ft high, as per instructions for  
 $\frac{1}{4}$  Sec. cor. from which to  
a Palo verde 6 in. dia. N.  $82^{\circ}$  W. 60 ft dist.

61.50 Top of north slope of hill & descend

80.00 Set Feldspathic rock  $15 \times 15 \times 12$  in.  
10 in. in the ground, with marked  
stone and build end of stone  
 $2\frac{1}{2}$  ft high for Stand. Tp. Cor.  
as per instructions, to off. 5 N. R. 12 & 13 E.  
over N. slope hill Soil poor.  
No timber.

1<sup>st</sup> Standard N. Range 12 E.  
G. & S. R. M.

### General Description

The 1<sup>st</sup> Standard Parallel  
N. R. 12 E. is on mesa  
land, soil poor or 2<sup>d</sup> rate  
with no timber, occasional  
trees & brush.

Theodore J. White  
U. S. Deputy Surveyor.

1<sup>st</sup> Standard J. R 13 E.  
 G. S. R. M.

Chs

From the cor. to Tp 5 N. Rs 12 & 13 E.  
 just set by me I own.

East on S. Boundary Sec 31.

Var  $14^{\circ} 11' E.$

as per observation with Solar  
 Compass.

Descend

30.00 Bottom of descent

40.00 Set Feldspathic rock  $1578 + 6$  ins.  
 10 ins. in the ground, with marked  
 stone, and build up of earth  
 2 ft high, with pits  $18 + 18 + 12$  ins.  
 as per instructions for 1/4 Sec  
 Cor. from which bears.

a Cedar 12 ins. dia. N.  $32^{\circ} W.$  95 lbs dist

80.00 Set Igneous rock  $12 + 10 + 8$  ins.  
 8 ins. in the ground, with  
 marked stone, and build  
 up of earth 2 ft high, with  
 pits  $18 + 18 + 12$  ins. as per inst



1st. Standard N. Range 13 E.  
G & S. R. M.

chs

rections for Cor. to Secs. 31 & 32  
Uneven then level  
Soil poor.  
No timber.

East on S. Boundary Sec. 32.  
Var. 14° 11' E.

- 19.50 Descending from Mesa
- 31.50 Dry Wash 30 lbs with course S.
- 40.00 Set Igneous rock 12 x 10 x 8 ins. 8 ins.  
in the ground, with marked  
stone, and build end of stone  
2 ft high, as per instructions, for  
1/4 Sec. Cor. from which to  
A Cottonwood 8 ins. dia. N. 70° W. 158 lbs dist
- A Cottonwood 6 ins. dia. N. 8° W. 148 lbs dist
- 80.00 Set Feldspathic rock 12 x 8 x 6 ins.  
8 ins. in the ground, with marked  
stone, and build end of stone

1<sup>st</sup> Standard N. Range 13<sup>o</sup>  
 G. & S. R. M.

chs

2 ft high, as per instructions for.

Cor. to Secs. 32 & 33.

Rolling Soil poor.

No timber.

East on S. Boundary of Sec. 33.

Var.  $14^{\circ} 11' E$ .

4000

Set Feldspathic rock  $12 \times 10 \times 6$  ins.  
 8 ins. in the ground, with marked  
 stone, and build end of stone

2 ft high, as per instructions for  
 1/4 sec. Cor. from which bears

a Palo Verde 4 ins. dia. N.  $20^{\circ} W$ . 87 lbs dist

8000

Set Feldspathic rock  $18 \times 12 \times 8$  ins.

12 ins. in the ground, with marked  
 stone, and build end of stone, 2 ft

high as per instructions for

Cor. to Secs. 33 & 34. from  
 which bears.

1st Standard N. Range 13 E.  
G & S. R. M.

Chs

a Cottonwood 6 ins. dia. N. 18° E. 35 lbs dist  
 a Mesquite 7 ins. dia. N. 74° E. 39 lbs dist  
 a Mesquite 18 ins. dia. S. 61° W. 87 lbs dist  
 Rolling & broken soil poor.  
 Scattering trees & brush.

East on South Boundary Sec. 34.  
 Var. 14° 11' E.

- 2.40 Dry wash 15 lbs wide course S.  
 32.00 Gulch 20 lbs wide course S.  
 40.00 Feldspathic rock 12 x 8 x 6 ins. 8 ins.  
 in the ground, with marked  
 stone, and build md of stone  
 2 ft high, as per instructions for  
 1/4 Sec. cor. from which bears.  
 a Palo verde 3 ins. dia. N. 20° W. 103 lbs dist  
 a Palo verde 4 ins. dia. S. 30° E. 71 lbs dist.  
 62.00 Enter higher level of Mesa.  
 80.00 Set volcanic rock 15 1/2 x 12 x 12 ins.



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1st Standard N. Range 13 E  
G & S. R. M.

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10 ins. in the ground, with marked  
stone, and build up of stone 2 ft  
high, as per instructions for cor. to  
Secs. 34. & 35. from which bears.

A Palo verde 4 ins. dia. N. 62° E. 139 lbs dist

Rolling Soil 2<sup>d</sup> rate

Scattering trees.

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East on S. Boundary Sec. 35.

Var. 14° 11' E.

40.00 Set a Porphyry 18 x 16 x 14 ins. 12 ins.  
in the ground, with marked stone  
and build up of stone 2 ft high  
as per instructions for 1/4 Sec. cor.  
from which bears.

A Palo verde 6 ins. dia. S. 38° W. 40 lbs dist

A Mesquite 6 ins. dia. N. 54° E. 46 lbs dist.

74.00 Ridge extending S. from  
high hill on N.

1<sup>st</sup> Standard N. Range 13. E.  
 G. x S. R. M.

- chs
- 76.50 Dry wash 20 lbs wide course S.
- 80.00 Set volcanic rock 14+12+12 ins.  
 10 ins. in the ground, with stacked  
 stone, and build end of stone  
 2 ft high, as per instructions for  
 Cor to Secs. 35 x 36. from which to  
 A Palo verde 4 ins. dia N. 35 W. 73 lbs dist  
 This is on S. slope of high hill  
 Rolling & hilly on east end  
 Soil poor.  
 Scattering Palo verde trees.
- 

Easton S. Boundary Sec. 36.

Lat. 14° 11' E.

- 2.00 Tip of high ridge 20 ft high  
 extending S. from high hill on N.
- 17.00 leave hill
- 23.50 Gulch 10 lbs wide course S.
- 40.00 Set volcanic rock 12+8+6 ins

1<sup>st</sup> Standard 4. Range 13. E.  
G. & S. R. M.

chs

8 ins. in the ground with marked  
stone, and build mid of stone 2 ft  
high, as per instructions for 1/4  
Sec. cor. from which bears  
a Palo verde 4 ins. dia. S. 40° E. 145 lks dist

76.00 Ridge extending S. W.

80.00 Set a Porphyry rock 28 x 14 x 12 ins.  
21 ins. in the ground, with marked  
stone, and build mid of stone 2 1/2 ft  
high as per instructions for Standard  
No. cor. to Sp. 5 N. R. 13 & 14 E.  
This is on S. E. slope of ridge  
ending about 12 chs S. W.

Rolling, Soil poor.  
Scattering Palo Verde trees.  
April 21, 1881

1<sup>st</sup> Standard N. Range 13 E.  
G. S. R. M.

### General Description

The 1<sup>st</sup> Standard North  
Range 13 E. is on mesa land  
& broken slopes, soil poor or  
2<sup>d</sup> rate no timber  
Scattering trees.

Theodore J. White  
U. S. Deputy Surveyor.



## List of Names.

A List of the Names of Individuals employed to assist  
in running, measuring or marking the lines and corners  
described in the foregoing Field Notes of the survey of

*The First Standard Parallel  
North, a part of Range 11<sup>o</sup>E,  
and Ranges 12 & 13<sup>o</sup>E,  
Gila and Salt River Meridian  
& Base lines.*

Showing the respective capacities in which they acted.

*Richard Shrope* Chainman.  
*Samuel Paul Pelt* Chainman.  
*Frank Carpenter* Axeman.  
*C. H. Patchett* Flagman.  
*William Morrison* <sup>by</sup>foundman

Final Oath of Assistants.

We hereby certify that we assisted Thodore  
J. White U. S. Deputy Surveyor, in surveying  
 the First Standard Parallel  
 North, a part of Range 11 E.  
 and Ranges 12 & 13 E.  
 6th and Salt River Mer-  
 idian and Base lines

and that said Survey has been in all respects, to the best of our  
 knowledge and belief, well and faithfully executed, and the  
 boundary monuments planted according to the instructions  
 furnished by the Surveyor-General.

- Richard Shupe Chainman.
- James P. Smith Chainman.
- Frank Carpenter Axeman.
- C. H. Patchett Flagman.
- William Morrison Moundman.

Sworn to and subscribed before me, this  
 day of September 1881

William P. Osburn  
 Notary Public  
 Pima Co. A.T.

Final Oath of Deputy Surveyor.

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I, *Theodore J. White*

United States Deputy Surveyor, do solemnly swear that I have, in my own proper person and with the necessary assistants, well, truly and faithfully executed the survey of

*The First Standard Parallel North, a part of Range 11<sup>th</sup> and Ranges 12 & 13<sup>th</sup>, Gila and Salt River Meridian and Base lines*

under my contract with John Wasson, United States Surveyor General for Arizona, bearing date the *2<sup>nd</sup>* day of *August* 188*0*; that in making the said Survey I have used only such instruments as were approved by the said Surveyor-General, exercising due care in the preservation of adjustments of the same; that in using the solar compass I have at no time projected established lines depending for alignment upon the magnetic needle; that I have in all respects complied with the laws of the United States governing public-land



surveys, the surveying manual, and such additional instructions as have been furnished me by and through the said Surveyor-General relating to the aforesaid Survey; that I have thoroughly acquainted my assistants in the field with the nature of their duties under the laws and instructions above mentioned; that to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions, and that the annexed field-notes are the original, true, and correct returns of the said Surveys.

B'

BOOK 1297

*Theodore S. White*  
U. S. Deputy Surveyor

Subscribed and sworn to before me this  
day of *September* 188*1*

*William J. Osburn*  
Notary Public  
Iria Co., N.Y.





U. S. Surveyor General's Office,

TUCSON, ARIZONA, November 29 1881

The foregoing Field Notes of the Survey of the  
1st Standard Parallel north through  
Ranges 11, 12 and 13 East.

Of the Gila and Salt River Base and Meridian, Arizona, execu-  
ted by Theodore F. White  
Deputy Surveyor, under his contract of the 27th  
day of August, 1880, having been  
critically examined and the necessary corrections and explana-  
tions made, the said Field Notes and the surveys they describe  
are hereby approved.

Oliver Mason  
Surveyor General.