

1643

*S. C. Jones*

Deputy Surveyor.

T. 16 R. 4 3 Meridian.

BOOK 1643

# Field Notes

OF

*the Gila & Salt River Meridian* between lines of

township *13 & 14 N* Range *18 & 10 W* between *15 & 16 N. Ranges 18 & 10 W.*

Meridian, California, *Arizona*

BY

*S. C. Jones* Deputy Surveyor,

under his Contract of *May 29* 1871

survey commenced *Aug 14* 1871

survey completed *Sept 25* 1871

1643

*typed,*

*copied for Washington,*

*transcript sent to Commissioner,*

At Contract  
complete

Field Notes

of the Survey of

Gila and Salt River Meridians

Arizona Territory

By S. M. Foreman

Deputy Surveyor

Under his contract of....

Survey commenced....

Survey completed....

1A  
BOOK 1643

Preliminary Oaths of Assistants.

I, \_\_\_\_\_ do solemnly swear that I will well and truly perform the duties of Compassman, according to instructions given me, and to the best of my skill and ability.

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_ 187

U. S. Deputy Surveyor.

—  
We, Joseph Ferris and J. S. Harris

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 will assist in measuring, to the best of our skill and ability.

Joseph Pennel  
J. L. Harris

Subscribed and sworn to before me, this' 10<sup>th</sup> day of  
June 1871

J. C. Mc Caffry  
~~U. S. Deputy Surveyor.~~  
Notary Public







10  
We James Dale & Geo. W. Carr  
do solemnly swear that <sup>we</sup> I will well and truly perform the  
duties of ~~Axe~~ men & Flagmen  
according to instructions given <sup>we</sup> ~~us~~, and to the best of <sup>our</sup> ~~my~~  
skill and ability.

James Dale  
George W. Carr.

Subscribed and sworn the be before me, this 10  
day of June 1871

J. G. M<sup>o</sup> Caffery  
~~H. J. Deputy Sheriff~~  
Notary Public




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West

T	13 N;	R's 1E & 1W.	1
"	14 ";	" 1" & 1".	6
"	15 ";	" 1" & 1".	13
"	16 ";	" 1" & 1".	19

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Between townships 13 North, Ranges 1 East & 1 West

Gila and Salt River Meridian

Ch From the corner to townships 13<sup>th</sup> & 14<sup>th</sup>  
North, Ranges 1 West & 1 East, I run  
South, between sections 1<sup>st</sup> & 6.

Sec. 13° 45' East

(as per transit observation of Polaris)

6.00 Deep ravine bears east.

10.00 Set a 1/4 section corner stone 12 x 12  
x 4 inches in mound and sets as  
per instructions. No trees near.

0.00 Set a stone 12 x 10 x 6 inches in  
mound and sets as per instructions  
for the corner to sections

1. 6. 7<sup>th</sup> & 12.

No trees near.

Land rolling table land

Soil 3<sup>rd</sup> rate. No timber. No water

Good for grass -

Between townships 13 North, Range 1 East <sup>and</sup> 1 West  
Gila and Salt River Meridian

Chs South, between sections 7 <sup>and</sup> 12.

Var.  $13^{\circ} 45'$  East

2.25 Dry creek ~~runs~~ <sup>wide brook</sup> 30 links east.

4.00 Pass thicket bears east and west.

25.00 Deep ravine runs east, 30 links wide

40.00 Set a  $\frac{1}{4}$  section corner stone  $16 \times 10 \times 4$   
inches in mound and feet as per  
instructions. No trees near.

52.00 Ravine 20 feet deep and 1 chain  
wide runs east.

80.00 Set a stone  $12 \times 6 \times 6$  inches in  
stone mound as per instructions  
for the corner to sections

7, 12, 13 <sup>and</sup> 18.

No trees near.

Land rolling.

Soil poor.

No timber.



Peterson townships 13 North, Range 1 East  $\frac{1}{2}$  West

Gila and Salt River Meridian

Chs South, between sections 13<sup>th</sup> & 18.

Sec. 13° 45' East

32.00 Confluence of Dry Creek, run east.

40.00 Set a  $\frac{1}{4}$  section corner stone 12 x 10 x 4 inches in a mound and pile as per instructions.

No trees near.

running up a gulch.

80.00 Set a stone 18 x 12 x 6 inches in stone mound, as per instructions, on east side of rocky gulch; for the corner to sections

13, 24, 18<sup>th</sup> and 19.

No trees near.

Land broken rocky and nearly impassable.

Soil, none. State rock in profusion.

Peterson townships 13 North, Range 1 East <sup>2</sup>/<sub>0</sub> 1 West  
Gila and Salt River Meridians

Chs South, between sections 19<sup>th</sup> & 24<sup>th</sup>  
Sec. 13° 45' East

- 12.00 Summit of mountain point bears  
north east and south west. and  
descend south east slope of same.
- 28.00 Sharp spur 400 feet below summit.
- 33.00 Deep Cañon runs south east.
- 40.00 Set a <sup>1</sup>/<sub>4</sub> section corner stone  
20 x 16 x 4 inches in stone mound  
as per instructions. No trees near.  
on summit of rocky ridge.
- 54.00 Creek in deep cañon runs east  
10 links and ascent of steep mountain.
- 80.00 Set stone 16 x 14 x 4 inches in stone  
mound as per instructions, for the  
corner to sections  
24. 25. 19<sup>th</sup> & 30.

Aug 14

No trees near.

July 12<sup>th</sup> 1871

(above)

Land. very broken, mountainous  
and rocky. No soil. No timber.

A few chains South from  
this point the line becomes utterly  
impracticable on account of im-  
passable cañons, running east  
from the mountain.

These cañons have perpendic-  
ular rocky sides from two  
to five hundred feet high and  
the country along this line  
for a distance of over thirty  
miles south from this point  
is of the same impassable char-  
acter. I therefore cannot  
extend this line any farther  
South.

S. W. Foreman.

Deputy Surveyor.

Between townships 14 North, Range 1 West<sup>20</sup> East  
Gila and Salt River Meridian

4<sup>th</sup> North between sections 31<sup>and</sup> 36.

Var. 13° 45' East

8.00 Dry creek 10 links wide runs East.

9.00 Bluff 60 feet high bears east and west.

10.00 Set a  $\frac{1}{4}$  section corner stone

16 x 8 x 6 inches in mound and  
sets as per instructions.

No trees near.

11.00 Set a stone 12 x 12 x 12 inches

in a mound and sets as per  
instructions, for the corner to  
sections. 25. 36. 30<sup>and</sup> 31.

No trees near.

Land rolling. Soil 2<sup>nd</sup> rate.

No timber.



Petroleum townships 14 North. Ranges 1 West<sup>20</sup> / East  
 Gila and Salt River Meridian

1/4 North, between sections 25<sup>th</sup> & 30.  
 Var 13° 45' East.

20.00 Dry creek 20 links wide, runs east.

40.00 Set a 1/4 section corner post in  
 mound and pits as per instructions.  
 No trees near.

80.00 Set a stone 18 x 12 x 10 inches in  
 mound and pits as per instructions  
 for the corner to sections  
 24, 25, 19<sup>th</sup> & 30.  
 No trees near.

Land rolling. Soil 2<sup>o</sup> rate.  
 Good for grass. No timber

Between townships 14 North, Range 1 West, East  
 Gila and Salt River Meridian

On North, between sections 19 and 24  
 Sac 13° 45' East.

- 3.00 Deep gulch.
- 8.00 Top of sharp hill, 100 feet high, bears east and west.
- 23.00 Lynx creek bears east, 20 links wide
- 40.00 Set a 1/4 section corner post in stone mound as per instructions, No trees near.
- 66.50 Road bears east and west.
- 80.00 Set a post in mound and sets as per instructions for the corner to sections, 13, 24, 18 and 19. No trees near.

Land smooth level plane  
 Soil 2<sup>nd</sup> rate, Good for grass.  
 No timber.

Peterson townships 14 North. Range 1 West No 1 East.

Gila and Salt River Meridian

Sec North, between sections 13<sup>th</sup> and 18.

Sec. 13<sup>th</sup> 45' East

240.00 Set a  $\frac{1}{4}$  section corner stone  
14 x 10 x 10 inches in mound and  
pits as per instructions.

No trees near.

80.00 Set a stone 16 x 6 x 6 inches in  
mound and pits as per instruc-  
tions for the corner to sections  
12. 13. 7<sup>th</sup> and 18.

No trees near

Land smooth level plane.

Soil 2<sup>d</sup> rate. Good for grass.

No timber.

Between townships 14 North. Range 1 West & East  
Gila and Salt River Meridian

So North, between sections 7<sup>th</sup> and 12.  
Var. 13° 45' East

15.00 Range runs east.

40.00 Set a 1/4 section corner stone  
14 x 8 x 6 inches in mound and  
pits as per instructions.  
No trees near.

80.00 Set a stone 16 x 10 x 8 inches in  
mound and pits as per  
instructions, for the corner to  
sections 1, 2, 6<sup>th</sup> and 7.  
No trees near.

Land smooth level plane.  
Soil 2<sup>d</sup> rate. Good for grass.  
No timber.



Between townships 14 North, Range 1 West  $\frac{2}{3}$  East  
 Gila and Salt River Meridian

Sec North, between sections 1<sup>st</sup> & 6.  
 Sec 13° 45' East.

40.00 Set a  $\frac{1}{4}$  section corner stone  
 14 x 10 x 8 inches in mound and  
 sets as per instructions.

No trees near.

58.00 Road bears north west and  
 south east.

80.00 Set a stone 14 x 10 x 10 inches  
 in mound and sets as per  
 instructions for the corner to  
 sections 1, 6, 31<sup>st</sup> & 36.

No trees near.

Land smooth level plain.  
 Soil 2<sup>nd</sup> rate. Good for grass

Aug. 5

No timber.

July 13<sup>th</sup> 1891.

## General Description

The lands along the north half of this line, East and West of it, are level, smooth, and of a rich soil but destitute of water and are excellent grazing lands.

Townships 14 North of Range 1 East and 1 West should be subdivided.

There are no running streams of water, but it is not difficult to obtain a good supply by digging wells, and by that method the lands can be made valuable for pasturage.

S. W. Foreman  
Dep. Surveyor.

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## List of Names.

A List of the Names of the individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing Field Notes of the Gila & Salt River Meridian line between Townships 13 and 14 North of Range 1 East and 1 West.

showing the respective capacities in which they acted.

	Compassman.
A. L. Harris.	Chainman.
Joseph Henuel	Chainman.
Geo. W. Leever	Axeman.
James Oaly	Surveyor





## Final Oaths of Assistants.

We hereby certify that we assisted Solomon W.  
 Forman Deputy Surveyor, in surveying  
 The Gila & Salt River Mendocino  
 line Between Tps. 13 & 14 N.  
 of Ranges 1 East & 1 West.

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

Joseph Gruet  
 J. L. Keams  
 George W. Carr  
 James Daly

Subscribed & Sworn to before  
 me this <sup>5<sup>th</sup></sup> ~~28<sup>th</sup>~~ day of <sup>Aug</sup> ~~July~~ 1871.

Edw. Wells

Clerk Dist Court  
 3<sup>d</sup> Dist Arizona

Final Oath of Deputy Surveyor.

I, Solomon W. Forman  
 Deputy Surveyor, do solemnly swear that, in pursuance  
 with a contract with John Wasson  
 United States Surveyor-General for Arizona, bearing date  
 the        day of        , I have well, faithfully  
 and truly, in my own proper person, and in strict con-  
 formity with the instructions furnished by the Surveyor-  
 General, the Surveying Manual, and the laws of the  
 United States, surveyed all those parts or portions of  
The Gila & Salt River Meridian  
line between Townships  
13 and 14 North, of Ranges  
1 East and 1 West



as are represented in the foregoing Field Notes as having

been surveyed under my directions; and I do further solemnly swear that all the corners of said surveys have been established and perpetuated in strict accordance with the Surveying Manual and printed instructions, and that the foregoing are the true and original Field Notes of such Survey.

Solomon W. Forsman

U. S. Deputy Surveyor.

Subscribed and sworn to before me, this  
 day of ~~28<sup>th</sup> July~~ <sup>1871</sup> 5 day of Aug  
 E. W. Wells  
 Clerk Dist Court  
 3<sup>d</sup> Dist Arizona



Field Notes

of the Survey of the  
Gila and Salt River Meridians  
Between townships 15<sup>and</sup> 16 North  
of Range 1 East<sup>and</sup> 1 West.

Arizona Territory

F. S. M. Foreman. U. S. Dep. Surveyor.

Under his contract of.

Survey commenced.

Survey completed.

Copied from



## Preliminary Oaths of Assistants.

I, \_\_\_\_\_ do solemnly swear that I will well and truly perform the duties of Compassman, according to instructions given me, and to the best of my skill and ability.

Subscribed and sworn to before me, this \_\_\_\_\_ day of  
187

U. S. Deputy Surveyor.



We, Geo. H. Carr and  
Joseph General

do solemnly swear that we will faithfully execute the duties of Chain Carriers; that we will level the chain upon uneven

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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 will assist in measuring, to the best of our skill and ability.

George W Carr  
Joseph Fennel

Subscribed and sworn to before me, this 5<sup>th</sup> day of  
August 1871

U. S. Deputy Surveyor.

Edw. Wells  
Clerk Dist Court  
3<sup>d</sup> Dist. Ariz.



I, John Riley & J. James Allen  
do solemnly swear that I will well and truly perform the  
duties of *Aye man & Fireman*  
according to instructions given me, and to the best of my  
skill and ability.

John Riley  
James Allen

Subscribed and sworn the be before me, this 5<sup>th</sup>  
day of Aug 1871

U. S. Deputy Surveyor.

C. W. Wells  
Clerk Dist Court  
3<sup>d</sup> Dist At. S.



Between townships 15 North, Ranges 1 East & 1 West

Gila and Salt River Meridian

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Begin at the corner to townships  
14<sup>th</sup> & 15 North, Ranges 1 East and  
1 West, and run

North, between sections 31<sup>st</sup> & 36.

var.  $13^{\circ} 56'$  East

(as per transit observation of Polaris)

40.00 Set a '44 section corner stone  
12x10x8 inches in mound and  
pits as per instructions.

No trees near.

80.00 Set a stone 14x8x8 inches  
as per instructions for the corner  
to sections 30, 31, 25<sup>th</sup> & 36.

No trees near.

Land level, sloping south  
Soil 1<sup>st</sup> and 2<sup>d</sup> rate.

14

BOOK 1643

Peterson townships 15 North, Ranges 1 East & 1 West  
Gila and Salt River Meridian

In North between sections 25<sup>th</sup> & 30.

Var.  $13^{\circ} 56'$  East

40.00 Set a 1/4 section corner stone  $12 \times 10$   
 $\times 8$  inches as per instructions.

No trees near.

80.00 Set a stone  $12 \times 8 \times 8$  inches in mound  
and pits as per instructions for  
the corner to sections

19.24. 25<sup>th</sup> & 30.

No trees near.

Land level. Soil 1<sup>st</sup> & 2<sup>nd</sup> rate  
No timber.



Peterson Townships 13 North. Range 1 East & 1 West

Gila and Salt River Meridian

1/2 North, between sections 19<sup>th</sup> & 24.  
 var. 13° 56' East

40.00 Set a 1/4 section corner stone 10 x 10  
 x 8 inches as per instructions.  
 No trees near.

80.00 Set a stone 12 x 10 x 8 inches in  
 mound and pits as per instruc-  
 tions for the corner to sections  
 13. 18. 19<sup>th</sup> & 24.  
 No trees near.

Sand level. Soil 2<sup>nd</sup> rate  
 No timber.

Petrus Townships 15 North, Ranges 1 East <sup>40</sup> West

Gila and Salt River Meridian

No North, between sections 13 <sup>40</sup> 18.  
 Var. 13° 56' East

40.00 Set a '44 section corner stone 12 x 10  
 x 6 inches in a mound and file  
 as per instructions.

No trees near.

80.00 Set a stone 14 x 7 x 6 inches as  
 per instructions for the corner to  
 sections 7. 12. 13 <sup>40</sup> 18.

No trees near.

Grade level. Soil 1<sup>st</sup> <sup>40</sup> 2<sup>nd</sup> rate.  
 No timber

Peterson townships 15 North, Range 1 East 3 West

Gila and Salt River Meridian

No North, between sections 7<sup>th</sup> and 12.  
var 13° 56' East

40.00 Set a  $\frac{1}{4}$  section corner stone 8 x 8  
x 8 inches as per instructions.  
No trees near.

80.00 Set a stone 12 x 10 x 8 inches in mound  
and pile as per instructions for the  
corner to sections 1, 6, 7<sup>th</sup> and 12.  
No trees near.  
Land rolling. Soil 2<sup>nd</sup> rate.  
No timber.

Between townships 15 North, Range 1 East & 1 West

Gila and Salt River Meridian

Line North, between sections 1<sup>and</sup> 6.

Var.  $13^{\circ} 56'$  East

40.00 Set a  $\frac{1}{4}$  section corner stone  
12 x 10 x 6 inches in mound and  
pits as per instructions.

No trees near.

80.00 Set a stone 12 x 10 x 10 inches in  
a mound and pits as per instruc-  
tions for the corner to sections  
1, 6, 31, <sup>and</sup> 36. - the corner to  
townships 15 <sup>and</sup> 16 North, Range  
1 West, and the corner to townships  
15 & 16 North, Range 1 East.

No trees near.

Sand level. Soil 2<sup>nd</sup> rate.  
No timber.

Between townships 16 North, Range 1 East & 1 West

Gila and Salt River Meridians

Chs North, between sections 31<sup>and</sup> 36

Var. 14° East

(as per fore and back sights.)

40.00 Set a 1/4 section corner post in a mound and pile as per instructions  
No trees near.

80.00 Set a post in a mound and pile as per instructions for the corner to sections  
25, 36, 30<sup>and</sup> 31.

No trees near.

Sand loam. Soil 2<sup>nd</sup> rate.

No timber.



Peterson townships 16 North, Range 1 East <sup>and</sup> 1 West  
 Hills and Salt River Meridian

Sec North, between sections 25<sup>th</sup> and 30.  
 Var 14° East

40.00 Set a 1/4 section corner post in a  
 mound and pits as per instructions  
 No trees near.

80.00 Set a post in a mound and  
 pits as per instructions for the  
 corner to sections  
 24, 25, 19<sup>th</sup> and 30.  
 No trees near.

Sand loess. Soil 2' oats.  
 No timber.

Between townships 16 North, Range 1 East & 1 West

Gila and Salt River Meridian

4<sup>th</sup> North, between sections 19<sup>and</sup> 24  
2<sup>d</sup> Sec. 14<sup>th</sup> East

40.00 Set a '1/4 section' corner post in a mound and pits as per instructions.  
No trees near.

80.00 Set a post in a mound and pits as per instructions for the corner to sections 18. 19. 13. <sup>and</sup> 24.  
No trees near.

Sand ascending to the north and east. Soil 2<sup>d</sup> rate.  
No timber.

Between townships 16 North, Range 1 East <sup>1/2</sup> West

Gila and Salt River Meridian

1/4 North, between sections 13 <sup>1/2</sup> 18,  
var. 14° East

40.00 Set a 1/4 section corner post in  
a mound and pits as per in-  
structions.

No trees near.

80.00 Set a post in a mound and  
pits as per instructions for the  
corner to sections

7, 18, 12 <sup>1/2</sup> 13.

No trees near.

Sand according to the north  
and east.

Soil, 2<sup>nd</sup> rate. No timber.

Between townships 16 North, Range 1 East & West

Gild and Salt River Meridians

16 North, between sections 7<sup>and</sup> 12.

var. 14° East

40.00 Set a 4<sup>th</sup> section corner post in a mound and pits as per instructions  
No trees near.

80.00 Set a post in a mound and pits as per instructions for the corner to sections  
1. 6. 7<sup>and</sup> 12.  
No trees near.

Sand rolling. Soil 2<sup>nd</sup> rate  
No timber ✓

Peterson townships 16 North. Range 1 East <sup>2</sup>/<sub>3</sub> West

Gila and Salt River Meridians

40 North. between sections 1<sup>and</sup> 6  
var. 14° East

40.00 Set a 1/4 section corner stone 14 x 8 x 6  
inches in a mound and pits as  
per instructions.

No trees near.

80.00 Set a post in a mound and  
pits as per instructions for the  
corner to sections

1, 6, 31, <sup>and</sup> 36.

No trees near.

Land broken low foot hills.  
Soil 2<sup>nd</sup> rate. No timber.

Sept 25<sup>th</sup> 1871



## General Description

The Black Hill range of mountains begins north west from the last described corner and runs east and then south east, and is a precipitous rocky range of mountains, worthless and impassable; and north about four miles from the said corner is the "Verde Cañon" with perpendicular walls full 1000 feet high, and still north of this is "Hell's cañon" which starts at the "Bill Williams" mountain some thirty miles north and runs due south and joins the "Verde cañon" - hence the Meridian cannot be extended farther north.

The lands in townships 15 & 16 North Range 1 West are level and the soil rich.

D. W. Foreman

U. S. Deputy Surveyor

## List of Names.

A List of the Names of the individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing Field Notes of The Silo & Salt River Meridian line between Gavushyas 15 & 16 North of Range 1 East & 1 West of

showing the respective capacities in which they acted.

Geo. W. Carr	Compassman.
Joseph Fremel	Chainman.
James Allen	Chainman.
John Kelly	Axeman.
	Flagman



## Final Oaths of Assistants.

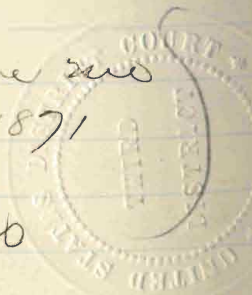
We hereby certify that we assisted Solomon  
 W. Goveeman Deputy Surveyor, in surveying  
 The Lila & Salt Run  
 Meridian line between  
 Townships 15 and 16 North  
 of Ranges 1 East & 1 West

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

John Riley  
 James Allen  
 George H Carr  
 Joseph Fremel.

Subscribed and sworn to before me  
 this <sup>25</sup> day of Sept<sup>r</sup> 1871

E. W. Wells  
 Clerk of said Court  
 3<sup>d</sup> dist. a. s.



*Final Oath of Deputy Surveyor.*

I, *Solomon W. Horvath*  
Deputy Surveyor, do solemnly swear that, in pursuance  
with a contract with *John Wasson*  
United States Surveyor-General for Arizona, bearing date  
the *29* day of *May*, I have well, faithfully  
and truly, in my own proper person, and in strict con-  
formity with the instructions furnished by the Surveyor-  
General, the Surveying Manual, and the laws of the  
United States, surveyed all those parts or portions of  
*The Gila & Salt Run Meridian*  
*line between Townships*  
*15 & 16 n. of Range*  
*1 East & 1 West*



as are represented in the foregoing Field Notes as having



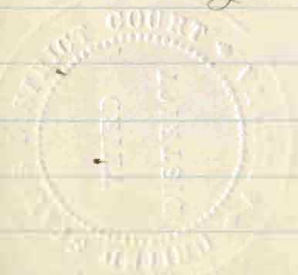
been surveyed under my directions; and I do further solemnly swear that all the corners of said surveys have been established and perpetuated in strict accordance with the Surveying Manual and printed instructions, and that the foregoing are the true and original Field Notes of such Survey.

Solomon W. Forman

U. S. Deputy Surveyor.

Subscribed and sworn to before me, this 25  
day of Sept 1871

Edw. Wells  
Clerk Dist Court  
3<sup>d</sup> Dist A.S.





Surveyor General's Office  
Tucson A.T.

October 20<sup>th</sup> 1871.

The foregoing field notes  
of the Survey of the Gila  
and Salt River Meridian  
between Townships 13<sup>th</sup> & 14<sup>th</sup> N.  
Ranges 1 E.  $\frac{1}{2}$  W.  $\frac{1}{4}$  15<sup>th</sup>  
16<sup>th</sup> N. Ranges 1 E.  $\frac{1}{2}$  W.  
in the Territory of Arizona  
executed by E. W. Fore-  
man Deputy Surveyor  
under his contract dated  
May 29<sup>th</sup> 1871, having been  
critically examined, the  
necessary corrections and  
explanations made, the  
said field notes and the  
Survey they describe are  
hereby approved.

John Mason  
Adj. Surveyor General  
for Arizona