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No. 1462

BOOK 1462

# Field Notes

OF THE SURVEY OF THE

*Second Guide Meridian East  
through Tps. 16, 17, 18, 19 & 20 S.*

-OF-

BOOK 1462

No. 1462

*Gila and Salt River Base and Meridian*

ARIZONA.

By *Lewis Wolfley* D.S.

Under contract dated *Feb. 28<sup>th</sup>* 1885.

Survey commenced *April 27<sup>th</sup>* 1885.

Survey completed *May 1<sup>st</sup>* 1885.

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## BOOK 1462

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For preliminary catches and  
 description see Book No. 1

2<sup>nd</sup> Guide Meridian East through T20 S

Stations

Beginning at the Stand.  
C.C. to Tps. 20 S. R. 10 + 11 E.  
which is a Volcanic stone 14x10 ins  
above the ground

marked S. C. with 6 notches on  
N. E + W. edges, and a mound of  
stone alongside.

Run N. on a true line bet  
Secs. 31 + 36

$\frac{1}{2}$  12° 44' E.

70  
30.00  
Cross Dry Wash course East  
Ascend gradually over rolling  
ground.

140.00  
Set a Volcanic Stone 18x8x6 ins. 11  
ins. in the ground for  $\frac{1}{4}$  Sec.  
cor. marked 14 on W. face. and

Second Guide Meridian East

chains

raised a mound of stone  
alongside.

80.00

Set a Volcanic stone  $12 \times 8 \times 8$   
ins. 7 ins. in the ground  
for cor. to Secs. 25, 30, 31 + 36.  
marked with 1 notch on S.  
and 5 notches on N. edges  
and raised a mound of  
stone alongside. from  
which.

A Mesquite tree 10 ins. in diam  
bears  $S 25^{\circ} 30' E$  46 links dist.  
marked  $T 20 S. R 11 E. S 30. 0. 5.$

A Mesquite tree 8 ins. in diam  
bears  $S 27^{\circ} E$  20 links dist.  
marked,  $T 20 S. R 11 E. S 31. 0. 7.$

A Mesquite tree 8 ins. in  
diam bears  $S 87\frac{1}{2}^{\circ} W$  74 links.

through Tps. 20 South

chains

dist. marked T20 S R10 E. S. 36. 1/2

Surface level

Soil 3<sup>rd</sup> to 4<sup>th</sup> rate

Grass fair

Scattering mesquite brush

---

North on a true line bet.  
Secs. 25 & 30.

Val 2° 44' E

Ascend gradually

Cross Dry Wash course East

Set a Volcanic stone 16 x 8 x 6 ins. 1/2  
ins. in the ground for 1/4 Sec. cor.  
marked "4" on W. face and  
raised a mound of stone  
alongside from which  
of mesquite tree 4 ins. in diam

25.50

40.00

## Second Guide meridian East

hamis

bears  $N 30^{\circ} W$ . 230 links dist.  
marked  $\frac{1}{4}$  S. B. T.

13. 40

Old Carrs. Colod mine bears  
 $N 88^{\circ} 30' W$ . about  $\frac{1}{2}$  mile dist.  
Cross Arivca road bears  
 $N. E + S. W$ .

79. 30

Cross. Dry Wash course S. E.

0. 00

Set a Granite stone  $13 \times 14 \times 6$   
ins. 7 ins. in the ground for  
Cor. to Secs. 19, 24, 25 + 30. marked  
with 2 notches on S. and 4  
notches on N. edges. dug pits  
 $18 \times 18 \times 12$  ins. in each Sec.  
 $2\frac{1}{2}$  ft. dist. and raised a  
mound of earth 2 ft. high  
 $4\frac{1}{2}$  ft. base, alongside, from which  
A Mesquite tree 10 ins. in diam  
bears S.  $21^{\circ} 10' E$  116 links dist.

through Tps. 20 South.

chains

marked T20 S. R11E. S30. B.T.

Surface rolling

Soil 3<sup>rd</sup> to 4<sup>th</sup> rate

Grass fair

Scattering mesquite brush

North on a true line bet. Secs  
19+24

$\varphi$  12° 44' E.

30.00

Ascend slope at an angle of 30°  
cross E. foot of a round knob  
of Cerro Colorado mountains (which  
are just west of line) and descend

40.00

Set a volcanic stone 14x8x5 ins.  
10 ins. in the ground for 1/4 Sec  
cor. marked 1/4 on W. face and  
raised a mound of stone

## Second Guide Meridian East

chains

alongside, and continue to descend slope at an angle of  $9^{\circ}$

45.00

Foot of slope.

48.00

Ascend slope at an angle of  $9^{\circ}$

54.50

Top of slope and descend at an angle of  $10^{\circ}$

58.00

Cross Dry Wash course East and ascend slope at an angle of  $12^{\circ}$

60.00

Cross West slope of round knob to East of line and along West slope.

60.00

Set a Volcanic stone  $14 \times 12 \times 8$  ins. 8 ins. in the ground for cor. to Secs. 13, 18, 19 & 24, marked with 3 notches on N & S. edges and raised a mound of stone alongside



through Tps. 20 South.

Chains

Surface Mountainous  
Soil 3<sup>rd</sup>/<sub>4</sub> to 4<sup>th</sup>/<sub>4</sub> rate  
Grass fair

---

North on a true line bet  
Secs. 13 & 18.

N 12° 44' E.

Ascend gradually through rocky  
gulch

40.00

Set a Red Rock stone 18 x 12 x 8 ins  
12 ins. in the ground for  $\frac{1}{4}$  Sec  
cor. marked  $\frac{1}{4}$  on W. face. Dug fur  
18 x 18 x 12 ins. N & S of stone 5 $\frac{1}{2}$  ft.  
dist. and raised a mound of  
earth 1 $\frac{1}{2}$  ft. high 3 $\frac{1}{2}$  ft. base  
alongside.

## Second Guide Meridian East.

Chains  
41.00Leave Gulch and ascend  
slope at an angle of  $8^{\circ}$ 

50.00

Set a Volcanic Stone  $16 \times 8 \times 6$  ins.  
11 ins. in the ground for cor.  
to Secs. 7, 12, 13 & 18 marked  
with 4 notches on S. and 2  
notches on N. edges. dug pits  
 $18 \times 18 \times 12$  ins. in each sec.  $5\frac{1}{2}$  dist.  
and raised a mound of earth  
2 ft. high  $4\frac{1}{2}$  ft. base along side.

Surface rolling

Soil 4<sup>th</sup> rate

Grass fair

Scattering Mesquite brush

---

North on a true line bet.  
Secs. 7 & 12.

through Tps 20 South.

Charris

Q 9 12° 44' E.

39.70

Cross Dry Wash course S. W.

40.00

Set a Volcanic stone  $17 \times 14 \times 8$  in.  
12 in. in the ground for  $\frac{1}{4}$  Sec.  
Cor. marked  $\frac{1}{4}$  on W. face and  
raised a mound of stone  
alongside.

57.50

Foot of cliff which I marked  
with a cross (+) at point on line  
and raised a mound of stone  
alongside of cross. the cliff  
being several hundred ft. high.  
I returned to a point 32 chs  
North of cor. to Secs. 7, 12, 13 & 14  
from which point I run  
3 miles 34 chains and 70 links  
on a course N 34° West. Thence  
I run 1 mile 73 chs and 61

## Second Guide Meridian East

chains

links course East, thence  
 43 chs and 38 links South  
 to the N. foot of cliff of  
 rocks several hundred ft. high.  
 Which point I mark with  
 a cross (+) and raised a  
 mound of stone alongside of  
 cross, Which I (by traverse  
 table) find to be 56 chs. and  
 50 links North of the Tps. cor.  
 to Tps 19 & 20 South R. 10 & 11 E.

From the inaccessible  
 nature of the cliff, it was  
 impossible to get near enough  
 to set a Witness Cor, within  
 any reasonable distance.

Surface Mountainous 57. 50 chs  
 Soil 4" rati  
 grass fair

through Tps. 20 South.

Chavis

General Description

The surface along this line is rolling in the South 3 miles and in the North 3 miles is mountainous. The grass is fair to good.

There is a scattering growth of mesquite trees and sotillo & cactus bush.

No water was found. Considerable signs of minerals

---

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

April 28<sup>th</sup> 1885

## Second Guide Meridian East.

chains

4

The cor. to Tps. 19 & 20 South  
R. 10 & 11 E. being in an inaccessible  
place. I begin at a point  
marked with a cross and a  
mound of stone alongside,  
previously established by me  
and found to be 56.50 chs.

23.50

At of Tps. cor. I run N.  $74^{\circ} 20' 44''$  E  
Set a Volcanic stone  $22 \times 10 \times 8$   
ins. 16 ins. in the ground  
for cor. to Secs. 25 & 30, 31 & 36.  
Marked with 5 notches on N.  
and 1 notch on S. edge,  
and raised a mound of  
stone alongside.

Surface mountainous  
Soil poor  
Grass poor

COOK 1462  
1891 10038  
through Tps 19 South.

Chains

North on a true line bet.  
Secs 25 & 30.

$\text{N } 12^{\circ} 44' \text{ E.}$

- 40.00 Descend slope at an angle of  $5^{\circ}$   
Set a Volcanic stone  $24 \times 10 \times 8$  ins. 16 ins.  
in the ground for  $\frac{1}{4}$  Sec. cor.  
marked  $\frac{1}{4}$  on W. face and raised  
a mound of stone alongside
- 42.00 Foot of slope and cross dry  
wash course N.W.
- 43.00 Descend gradually
- 80.00 Set a Granite stone  $18 \times 10 \times 8$  ins.  
12 ins. in the ground for cor  
to Secs. 19, 24, 25 & 30 marked with  
4 notches on N. and 2 notches  
on S. edges and raised a

## Second Guide Meridian East

Chains

mound of stone alongside  
 on W. bank of Dry Wash.  
 Surface South 40 ch<sup>ts</sup> Mountainous  
 " North " " rolling  
 Soil 4<sup>th</sup> rate + stony  
 Grass good

---

North on a true line  
 bet. Secs. 19 + 24,  
 Va 2° 44' E.

20  
 6.50  
 40.00

Descend over rolling ground  
 Enter Dry Wash course West  
 Leave Dry Wash course West  
 Set a Volcanic stone 20 x 14 x 8 in.  
 14 in. in the ground for 1/4  
 Sec. Cor. marked 14 on W.  
 face



through Tps 19 South

chains

and raised a mound of stone  
alongside.

55.00

cross Dry Wash course West.

70.30

cross trail bears N. E. & S. W.

79.00

cross Dry Wash course West.

80.00

Set a Volcanic stone 20 x 16 x 6  
ins. 14 ins. in the ground for  
cor. To Secs. 13, 18, 19 & 24 marked  
with 3 notches on N & S edges.  
and raised a mound of stone along side  
from which.

A Mesquite tree 8 ins. in diam  
bears N 48° 13' E. 54 links dist.  
marked T 19 S. R 11 E. S 18, B, T.

An ash tree 7 ins. in diam bears  
S 43° 12' E. 125 links dist. marked  
T 19 S. R 11 E. S 19, B, T.

A Mesquite tree 8 ins. in diam bears  
N 44° 50' W. 57 links dist. marked

## Second Guide Meridian East

chains

T9 S. R10 E. S13. B. T.

Surface rolling

Soil 4<sup>th</sup> rateScattering Mesquite and  
ash treesNorth on a true line bet.  
Secs. 13 & 18.Va  $12^{\circ} 44' E$ .

Ascend gradually

4.75

Cross road bears E &amp; W.

10.00

Cross Dry Wash course West

20.00

Cross Dry Wash course West

40.00

Set a Volcanic stone  $30 \times 18 \times 8$  ins.  
19 ins. in the ground for  $\frac{1}{4}$   
Sec. cor. marked  $\frac{1}{4}$  on W. face.  
dug pits  $18 \times 18 \times 12$  ins. N. of

## through Tps. 17 South

Chains

stone  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base alongside.

80.00

Set a Volcanic stone  $22 \times 12 \times 8$  ins. 19 ins. in the ground for cor. to Sec. 7, 12, 13 & 18. marked with 2 notches on N. and 4 notches on S. edges. and raised a mound of stone alongside, on S. bank of Wash from which

A Mesquite tree 10 ins. in diam bears  $S 60^{\circ} E$  25 links dist. marked T 19 S. R 11 E. S 18. B. T.

Surface rolling

Soil 4<sup>th</sup> rate and stony  
Scattering mesquite brush

---

## Second Guide Meridian East.

hains

North on a true  
line bet. Secs. 7 & 12

On  $12^{\circ}44'E$ .

60

Ascend over rolling ground  
cross Dry Wash course West  
and ascend

38.00

Top <sup>of ridge</sup> and descend slope at  
an angle of  $10^{\circ}$

40.00

After making the correct  
allowance I set a Volcanic  
stone  $14 \times 12 \times 5$  ins. 9 ins. in the  
ground for  $\frac{1}{4}$  Sec. cor. marked  
 $\frac{1}{4}$  on W. face dug pits  $18 \times 18 \times 12$   
ins. N & S. of stone  $5\frac{1}{2}$  ft. dist.  
and raised a mound of earth  
 $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base alongside  
cross Dry Wash course W. and  
ascend slope at an angle of  $10^{\circ}$

45.00

BOOK 1402  
BOOK 1402  
through Tps 19 South.

Chains

53.00

Top of slope and descend at an angle of  $18^{\circ}$

71.00

Foot of slope and cross Dry Wash course West and ascend slope at an angle of  $10^{\circ}$

80.00

After making the correct allowance I set a granite stone  $20 \times 8 \times 8$  ins.  $.14$  ins. in the ground for cor. to Sec. 16.7+12 marked with 1 notch on N. and 5 notches on S. edges and raised a mound of stone alongside

Surface Mountainous

Soil  $4^{\text{th}}$  rate

Grass fair

Scattering Mesquite bush

---

## Second Guide Meridian East.

chains

North on a true line  
bet. Secs. 1 & 6

$79^{\circ} 12' 44'' E$

ascend gradually  
to <sup>top of ridge</sup> and descend slope at an angle  
of  $5^{\circ}$

9.00

21.00

To Charles Wards House bears  
East 4 chs dist. and his corral bears  
N. 250 links dist. from this point.

23.00

cross Dry Wash course West  
and ascend slope at an angle  
of  $5^{\circ}$

40.00

Set a granite stone  $14 \times 8 \times 8$   
ins.  $9$  ins. in the ground  
for 14 Sec. cor. marked 14 on  
W. face and raised a mound  
of stone alongside. and  
continue to ascend slope at

through Tps. 19. South.

Chains

an angle of  $5^{\circ}$

57.00

Top of slope and along East side of Temporal Cañon

79.00

cross road bears N.E + S.W.

80.00

Set a Granite stone  $20 \times 12 \times 10$  ins. 19 ins. in the ground for Cor. to Tps. 18 + 19 S. R. 10 + 11 E. marked with 6 notches on each edges and raised a mound of stone alongside from which.

A Mesquite tree 12 ins. in diam bears  $S 68^{\circ} E$ . 85 links dist. marked T 9 S. R 11 E. S. 6 B. T.

Baboquavari Peak bears  $S 81^{\circ} 52' W$

Surface mountainous

Soil 4<sup>th</sup> rate

Grass fair

chains

Scattering brush

## General Description.

The surface on this line is mountainous and rolling. The grass is good there is no water.

Scattering brush along the entire line. Considerable signs of minerals

---

From the cor. to Tps. 18+19 S. R. 10+11 E. just set by me I run North on a true line bet. Secs. 34 & 36  
 $\frac{1}{4}$  12° 44' E.



through Tps. 19. South

chains

1.50

Ascend over rolling ground  
Enter Dry Wash course West.

Temporal Cañon heads East.

3.75

Leave Dry Wash course West.

40.00

Set a Granite stone 16x8x7 ins. 11  
ins. in the ground for  $\frac{1}{4}$  Sec  
cor. marked  $\frac{1}{4}$  on W. face.

and raised a mound of  
stone alongside, and continued to  
ascend over rolling ground.

80.00

Set a Granite stone 18x8x6 ins.  
12 ins. in the ground for cor. to  
Secs. 25, 30, 31 & 36 marked with  
1 notch on S. and 5 notches on

W. edges and raised a mound  
of stone alongside

Surface rolling  
Soil 4<sup>th</sup> rate

✓

## Second Guide Meridian East

Chains

Grass fair  
 Scattering mesquite brush.

---

North on a true line bet.  
 Secs. 25 & 30.

$\frac{1}{4}$   $12^{\circ} 44' E$

continue to ascend over  
 rolling ground.

40.00

Deposited a marked stone  
 12 ins. in the ground for  $\frac{1}{4}$  Sec cor  
 dug pits 18x18x12 ins. N & S. of stone  
 $5\frac{1}{2}$  ft. dist. and raised a mound  
 of earth  $1\frac{1}{2}$  ft. high  $5\frac{1}{2}$  ft. base  
 over it. In N. pit drove a stake  
 2 ft. long 2 ins. sq. 12 ins. in  
 the ground marked  $\frac{1}{4}$  S. on W.  
 face.

## through Tps 18 South

Chains

42.50

Cross old road bears E &amp; W.

55.00

Cross Dry Wash course S. W. 50  
links Wide

80.00

Set a L line stone 18x12x8 ins. in  
in. in the ground for. cor to Sec  
19, 24, 25 & 30, marked with 2  
notches on S. and 4 notches on  
N. edges and raised a mound  
of stone alongside.Surface rolling  
Soil 4<sup>th</sup> rate & stony  
Grass fair  
Scattering mesquite bushNorth on a true line bet.  
Secs. 19 & 24,

N 12° 44' E

## Second Guide Meridian East

hams

Ascend slope at an angle of  $18^{\circ}$

8.00

Top of Lime stone ridge bears N. 6 + S. W. and descend slope at an angle of  $20^{\circ}$

14.00

Foot of slope and ascend over rough breaks of S. W. slopes.

40.00

After making the correct allowance I set a Lime stone  $20 \times 12 \times 10$  ins.  $14$  ins. in the ground for  $\frac{1}{4}$  Sec. cor. marked  $\frac{1}{4}$  on W. face, dug pit  $18 \times 18 \times 12$  ins. N. S. of stone  $5\frac{1}{2}$  ft. deep and raised a mound of earth  $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base alongside.

61.50

Cross Dry Wash course S. W.  
75 links wide.

through Tps 18 South

80.00

Set a Lime stone  $26 \times 8 \times 8$  ins.  $19$  ins. in the ground for Cor. to Secs. 13, 18, 19 & 24. marked with 3 notches on N & S. edges, dug pits  $18 \times 18 \times 12$  ins. in each Sec.  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  $2$  ft. high  $4\frac{1}{2}$  ft. base alongside, from which,

A mesquite tree  $8$  ins in diam bears S  $2^{\circ}$  E.  $35$  links dist. marked T18S. R11E. S19. B. T.

Surface mountainous 40chs  
 " Level " "

Grass good  
 Soil  $4^{\text{th}}$  rate

---

## Second Guide Meridian East

Chains

Start on a true line bet  
Sec 13 & 18.

$12^{\circ}44'E$ .

Ascend along S. W. slope  
of the Sierra mountains  
39.20 Cross Dry Wash course  
West 50 links wide.

40.00

A Mesquite tree 12 ins. in  
diam which I marked 1/4 S.  
on W. face for 1/4 Sec. cor.  
dug pits 18x18x12 ins. N. & S.  
of tree 5 1/2 ft. dist. and  
raised a mound of earth  
around tree, and ascend slope  
at an angle of  $12^{\circ}$

56.20

Top of slope and thence along  
S. W. slopes of  
Sierra Mountains.

through Tps 18 South.

80.00

Set a L. line stone  $20 \times 6 \times 6$  ins  
 14 ins. in the ground for cor.  
 to Secs. 7, 12, 13 + 18 marked  
 with 4 notches on S. and 2 notches  
 on N. edges and raised a  
 mound of stone alongside.

Surface Mountainous  
 Soil 4<sup>th</sup> rate + stony  
 Grass good  
 Scattering Mesquite bush

o Path on a true line bet. Secs. 7 + 12  
 Va  $12^{\circ} 44' E$ .

Ascend along S.W. slope of  
 the Sierra Mountains

11.00

Top of slope and descend at an  
 angle of  $24^{\circ}$

## Second Guide Meridian East

Chains	
20.00	Foot of slope and cross Dry Wash course West.
21.00	Ascend slope at an angle of 28°
29.50	Top of Lime stone ridge bears S. W. & E. South front of Sierra mountains
40.00	After making the correct allowance. I set a Lime stone 18x10x6 ins. 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 on W. face and raised a mound of stone alongside, and ascend steep W. slope of the Sierra mountains
77.00	cross Dry Wash course N. W.
80.00	After making the correct allowance I set a Malpais stone 20x8x8 ins. 14 ins. in



BOOK 1402  
through Tps 18 South

Chains

the ground for con. to Secs. 16, 7  
+ 12 marked with 1 notch on N.  
and 5 notches on S. edges, and  
raised a mound of stone  
alongside.

Surface Mountainous  
Soil 4<sup>th</sup> rates rocky  
Grass good

---

North on a true line bet  
Secs 1 + 6

$\text{N} 12^{\circ} 44' \text{E}$

Along steep and broken W.  
slope

28.00

Descend slope at an angle of 35  
cross Dry Wash course West  
and ascend slope at an angle of

33.00

## Second Guide Meridian East

Chains

45°

38.50

Top of slope and continue  
along West slope

40.00

After making the correct  
allowance, I set a Granite stone  
12 x 12 x 8 ins. 7 ins. in the  
ground for 44 sec. cor. marked  
44 on W. face. and raised a  
mound of stone alongside  
and descend slope at an  
angle of 18°

57.00

Cross Dry Wash course W,  
and ascend slope at an  
angle of 18°

65.00

Top of rough & rocky spur  
bear E + W.

80.00

After making the correct allow-  
ance I set a Granite stone 20 x

through Tps 18 South

14x12 in. 14 in. in the ground for  
cor. to Tps 17+18 S. R 10+11 E.  
marked with 6 notches on each  
edges and raised a mound  
of stone alongside, on ridge  
bears E+W.

Baloguaman Peak bears S65°35' W

West Black Butte bears S47°51' W

Surface mountainous

Soil 4<sup>th</sup> rate

Grass good

---

### General Description

The surface along this  
line is mountainous and level  
The soil is very poor and,  
the grass is good.

## Second Guide Meridian East.

Note: - Resurveyed by Philip Gontzen

Jan. 21 to 23, 1901

Chains

There are scattering trees  
in the gulches.

and considerable signs of  
minerals

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

April 29<sup>th</sup> 1885

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From the cor. to Twp. 17 & 18 S.  
R. 10 & 11 E. just set by me.

From North bet. Secs 31 & 36.

No. 2035-E

## through Tps 17 South

Chains

- Over rough steep West. slope of the Sierra mountains.
- 23.00 Cross Dry Wash course West and ascend slope at an angle of  $20^{\circ}$
- 32.00 Top of spur bears E & W. and descend at an angle of  $25^{\circ}$
- 38.00 Cross Dry Wash course West.
- 40.00 After making the correct allowance. I set a granite stone  $2 \times 12 \times 8$  ins.  $14$  ins. in the ground for  $\frac{1}{4}$  Sec. cor. marked  $14$  on W. face and raised a mound of stone alongside
- 64.00 Cross Dry Wash course West. and ascend slope at an angle of  $15^{\circ}$
- 80.00 After making the correct allowance I set a granite stone

20  
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Second Guide Meridian East

Chains.

30x12x12 in 20 in. in the  
the ground for cor. to Sec.  
25, 30, 31 + 36 marked with  
1 notch on S. and 5 notches  
on E. edges. and raised a  
mound of stone alongside.  
on S. slope of spur  
Surface mountainous  
Soil 4<sup>th</sup> rate  
Grass good

---

North on a true line bet. Secs.  
25 & 30.

Val 12° 35' E.

Ascend gradually

4.00

Top of divide bears  
E of W. and descend slope at an

# Through Tps 17 South

Chains

angle of  $20^{\circ}$

19.00

cross Dry Wash course N.W.

and ascend slope at an angle of

24.00

Top of low divide bears E of W and descend over N.W. slope of the Sierra mountains.

40.00

After making the correct allowance I set a Granite stone  $20 \times 8 \times 14$  ins. 14 ins. in the ground for 4<sup>th</sup> Sec. cor. marked 4 on W. face and raised a mound of stone alongside.

77.00

cross Dry Wash course N.W.

80.00

Set a Granite stone  $18 \times 12 \times 10$  ins. 14 ins. in the ground for cor. to Sec. 19, 24, 25 & 30. marked with 4 notches on S. and 2 notches on E. edge. and raised a mound

## Second Guide Meridian East.

Chains

of stone alongside.

Surface mountainous  
Soil 4<sup>th</sup> rate & rocky  
Grass fairNorth on a true line  
bet. Secs. 19 + 24.

W 12° 35' E

Descend over broken ground  
Cross trail bears E + N.Set a Volcanic stone 20 x 12 x 8  
ins. 17 ins. in the ground  
for 1/4 Sec. Cor. marked 1/4 on  
N. face and raised a mound  
of stone alongside.Cross Dry Wash course N. W.  
Enter Old Corral

23.50

40.00

67.00

68.00



# Through Tps 17 South

Chamie

71.00 Leave old corral

74.00 Cross Dry Wash Course West

80.00 Deposited a marked stone 12 in. in the ground for cor. to Secs 13, 18, 19 & 24. dug pits 18x18x12 ins. in each Sec 5/2 ft. dist, and raise a mound of earth 2 ft. high 4 1/2 base over it. In S.E. pit drove a stake 2 ins. sq. 2 ft. long 12 ins. in the ground marked S17 S18 on N.E.

R116. S19 on S.E.

R116 S 24 on S.W and S13 on N.W faces with 3 notches on N & S. edges.

A mesquite tree 10 ins. in dia bears S 85° E. 80 links dist marked S17 S. R116. S19. B.T

Second Guide Meridian East

chains

Surface mountainous  
Soil 4<sup>th</sup> rate  
Grass fair  
Scattering Mesquite brush

---

North on a true line bet. Secs.  
13 & 15.

N a 12° 35' E

.60.0  
7.00  
20.00  
40.00

Descend over rolling ground  
Cross trail bears N. W. & S. E.  
Cross Dry Wash course N. W.  
Cross road road bears E & W.  
Deposited a marked stone  
2 ins. in the ground for 14  
Sec. cor. dug pits 18 x 18 x 12 ins  
N & S. of stone 5 1/2 ft. dist. and  
raised a mound of earth

# through Tps 17 South

Chamiso

$1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base over. In Oct. put  
drove a stake 2 ft. long 2 ins. sq.  
12 ins. in the ground marked  
 $\frac{1}{4}$  Lon. W. face.

70.00

Cross road from Tucson to  
Arivaca bears N. E. + S. W.

80.00

Set a Granite stone  $16 \times 8 \times 8$  ins. 15  
ins. in the ground for cor. to  
Secs. 7, 12, 13 + 18 marked with 4  
notches on S and 2 notches on E  
edges. dug pits  $18 \times 18 \times 12$  ins.  
in each sec  $\frac{1}{2}$  ft. dist. and raised  
a mound of earth 2 ft. high  $4\frac{1}{2}$  ft  
base alongside.

Surface rolling  
Soil 3<sup>rd</sup> to 4<sup>th</sup> rate  
Grass fair

# Second Guide Meridian East

Chains

North on a true line between  
Secs. 7 & 12.

On  $12^{\circ}35' E$ .

10.00

17.00

39.50

40.00

Gradually descend to West.  
Cross Dry Wash course West.  
Cross trail bears E & W.  
Cross Dry Wash course N.W.  
Deposited a marked stone  
2 ins. in the ground for  $\frac{1}{4}$  Sec.  
cor. dug pits  $18 \times 18 \times 12$  ins. N.E. of stone  
 $5\frac{1}{2}$  ft. dist. and raised a mound of  
earth  $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base over it.  
In N. pit drove a stake 2 ft. long 2 ins. sq  
2 ins. in the ground marked  $\frac{1}{4}$  Sec. on  
W. face. from which a  
Mesquite tree 8 ins. in diam  
bears  $S 86^{\circ} E$ . 25 links dist.  
marked  $\frac{1}{4}$  S. B. T.

through Tps. 17 South

Chamis

70.00

to pass Dry Wash course West.

80.00

Set a Post 4 ft. long 4 ins. sq. with  
marked stake 12 ins. in the ground  
for cor. to Sec. 1, 6, 7 & 12 marked.

T 17 S. S 6 on N.E.

R 11 E. S 7 on S.E.

R 10 E. S 12 on S.W. and S 1 on N.W.

faces with 5 notches on S. and 1  
notch on N. edges, dug pits 18 x  
12 ins. in each Sec. 5 1/2 ft. dist.

and raised a mound of earth  
2 ft. high 4 1/2 ft. base around  
is about <sup>this point</sup> 1/2 mile E. of N. end of  
the Sierra Mountains.

Surface level  
Soil 2<sup>nd</sup>/<sub>4</sub> to 3<sup>rd</sup>/<sub>4</sub> rate  
Grass fair

Second Guide Meridian East

chains

North on a true line  
bet. Secs. 1 + 6.

$\text{Va } 13^{\circ} 7' \text{E.}$

40.00

Gradually descend  
Deposited a marked  
stone 12 ins. in the ground  
for  $\frac{1}{4}$  Sec. cor. dug pits  $18 \times 18 \times 12$  in.  
N + S. of stone  $5\frac{1}{2}$  ft. dist. and  
raised a mound of earth  
 $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base over it.  
Dist. pit drove a stake 2 ft.  
long 2 ins. sq. 12 ins. in the  
ground marked, marked  
 $\frac{1}{4}$  S. or W. face. from which  
A Mesquite  $\frac{1}{2}$  mi. in drain  
bears  $S 45^{\circ} \text{E}$ . 180 links, dist.  
marked  $\frac{1}{4}$  S. B. T. and cross  
Dry Wash Course N. W.

through Tps 17 South.

Shanis

45.00

Cross Dry Wash course N. W.

54.00

" " " " "

74.50

" " " " "

80.00

Set a Post 4 ft. long 4 ins. sq. with marked stone 12 ins. in the ground for cor to Tps. 16 + 17 S.

R 10 + 11 E. marked T 16 S. S 31 on W.

R 11 E. S 6 on S. E.

T 17 S. S 1 on S. W. and

R 11 E. S 36 on N. W. faces with 6 notches on each edge. dug pits

24 x 18 x 12 ins. length wise on each line N. S. E + W. of Post. 6 ft. dia.

and raised a mound of earth 2 1/2 ft. high 5 ft. base around from which

A Mesquite tree 14 ins. in diam bears S 13' 22 E. 225 links dist.

Second Guide Meridian East

chains

marked T<sub>p</sub> 17 S. R 11 E. S. 6  
B. T.

Baboquivari Peak bears S 52° 34'

High Peak of the St Catalina  
bears N 41° 46' E

Surface level

Soil 4<sup>th</sup> rate

Grass fair

---

General Description

This T<sub>p</sub>. line is mostly  
mountainous, in the northern  
part it is level,

The grass is good, and  
very poor soil,

No water was found.

---



through Tps 16 South

chains

From the cor. to Tps 16 & 17 S. R 104  
E. just set by me, Iron N. on a true  
line bet Secs 31 & 36.

N 91° 3' 7" E

Descend gradually to the

57.50 cross Dry Wash course N. W.

24.00 cross Dry Wash course N. W.

40.00 Deposited a marked stone 12 ins. in  
the ground for "4 Sec. Cor. dug pit 18" x  
12" N. & S. of stone 5 1/2 ft. dia. and raised  
mound of earth 1 1/2 ft. high 3 1/2 ft. base  
over it. In N. pit drove a stake 2 ft. long  
1/2 in. sq. 12 ins. in the ground marked "4  
on W. face

80.00 Set a Post 4 ft. long 4 ins. sq. with  
marked stone 12 ins. in the ground  
for cor. to Secs. 25, 30, 31 & 36, marked  
T 16 S. S 30 on N. E.

BOOK 1402  
Second Guide Meridian East

chains

R11E. S31 on S.E.

R10E. S36 on S.W and S 25<sup>th</sup> on N. faces with 1 notch on S. and 5 notches on N. edges. dug pits 18x18x12 ins. in each Sec. 5 $\frac{1}{2}$  ft. dist. and raised a mound of earth 2 ft. high 4 $\frac{1}{2}$  ft. base around post. from which a Mesquite tree 10 ins in diam bears N 35<sup>o</sup> E. 125 links dist. marked T16 S. R11E. S.30. B.T.

a Palo Verde tree 6 ins in diam bears S 35<sup>o</sup> W. 40 links dist. marked T16 S. R10E. S36. B.T.

Surface level  
Soil 3<sup>rd</sup> to 4<sup>th</sup> rate  
Scattering mesquite bush

through Twp 16 South.

North on a true line bet. Secs 25 & 27  
Wa  $13^{\circ} 7' E$

28.50

40.00

Descend gradually to the north  
cross Dry Wash course North W  
Deposited a marked stone 12 ins. in  
ground for  $\frac{1}{4}$  Sec. cor. dug pit 18 x 12 in  
N.E. of stone  $\frac{1}{2}$  ft. dist. and raised a mound  
of earth  $\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base over it  
dug a pit down a stake 2 ft. long 2 ins. eq. 12 in  
in the ground marked  $\frac{1}{4}$  S. on W. face.

70.00

79.50

80.00

cross Dry Wash course North. W  
cross Dry Wash course North. W  
Set a Post 4 ft. long 4 ins. eq. with  
marked stone 12 ins. in the ground  
for cor. to Secs. 19, 24, 25 & 30. marked  
S 16 S. S 19 on N.E. R 11 E. S 30 on S.E.  
R 10 E. S 25 on S.W. and S 24 on  
N.W. faces with 2 notches on S

# Second Guide Meridian East

Chain

and 4 notches on N. edges, dug  
pits  $18 \times 18 \times 12$  ins. in each sec.  $5\frac{1}{2}$  ft.  
dist. and raised a mound of earth  
 $2$  ft. high  $4\frac{1}{2}$  ft. base around pros

Surface level

Soil  $3\frac{1}{4}$  rate

Grass fair

Scattering Mesquite

---

North on a true line bet. Secs 19 &  
 $913^{\circ} 7' E.$

Descend gradually

20.00

40.00

cross Dry Wash course N. W.  
Deposited a marked stone  $12$  ins.  
in the ground for  $\frac{1}{4}$  Sec. cor. dug  
pits  $18 \times 18 \times 12$  ins. N. & S. of stone  $\frac{1}{2}$  ft.  
dist. and raised a mound of earth

through Tps 16 South

chains

$\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base over it. In N. side  
drive a stake 2 ft. long 2 ins. sq. 12 in.  
in the ground marked  $\frac{1}{4}$  S. on  
face.

72.50 cross Dry Wash course N.W.

75.00 cross trail bears N.E. + S.W.

77.00 cross Dry Wash course N.W.

80.00 Set a Post. 4 ft. long 4 ins. sq. with  
stone 12 ins. in the ground for cor to Sec  
13, 18, 19 + 24. marked  $\frac{1}{16}$  S.  $\frac{1}{8}$  on N.E.  
R 118.  $\frac{1}{19}$  on S.E.

R 108. S 24 on S.W. and S 13 on N.W. fac  
with 3 notches on N + S. edges. dug  
 $18 \times 18 \times 12$  ins. in each Sec.  $5\frac{1}{2}$  ft. dist. and  
a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base  
around post.

Surface level

Soil  $3\frac{1}{4}$  to  $4\frac{1}{4}$  rate

Second Guide Meridian East

Chains

Grass fair  
Scattering brush

---

North on a true line bet. Secs. 13 & 18  
79° 13' 7" E.

Descend gradually along side of  
dry wash

40.00

Deposited a marked stone 2  
ins. in the ground for  $\frac{1}{4}$  Sec.  
cor. dug pits 18x18x12 ins. N & S  
of stone  $5\frac{1}{2}$  ft. dist. and raised a  
mound of earth  $1\frac{1}{2}$  ft. high  $\frac{1}{2}$   
ft. base over it. In N. pit.  
drove a stake 2 ft. long 2 ins. sq  
2 ins. in the ground marked  $\frac{1}{4}$  S.  
on W. face.

41.50

cross Dry Wash course N. & W.

through Tps 16 South.

chains

57.00

79.00

80.00

cross Dry Wash course N.W.

cross Dry Wash course N.W.

Set a Post 4 ft. long 4 ins. sq. with  
marked stone 12 ins. in the ground for  
to Secs. 7, 12, 13 & 18. marked T 16 S. 17 on N.E.  
R 16. S 18 on S.E.

R 16. S 13 on S.W. and S 12 on N.W. fac  
with 4 notch on S. and 2 notches  
N. 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.

Surface level

Soil 3<sup>rd</sup> to 4<sup>th</sup> rate

Grass poor

Scattering mesquite

# Second Guide Meridian East

Chains

Notch on a true line bet. Secs  
7 & 12.

$\text{Va } 13^{\circ} 7' \text{ E.}$

40.00

Descend gradually  
Deposited a marked stone 2 ins  
in the ground for  $\frac{1}{4}$  Sec. cor. dug for  
 $18 \times 18 \times 12$  ins. At S. of stone  $5\frac{1}{2}$  ft. dist. and  
raised a mound of earth  $\frac{1}{2}$  ft. high  
 $3\frac{1}{2}$  ft. base over it. In N. pit drove  
a stake 2 ft. long 2 ins. sq.  
12 ins. in the ground marked  
 $\frac{1}{4}$  S. on W. face.

80.00

Set a Post 4 ft. long 4 ins. sq. with  
marked stone 12 ins. in the ground  
for cor. to Sec. 16. 7 & 12, marked.  
T<sub>16</sub> S. S<sub>6</sub> on N.E.  
R<sub>11</sub> E. S<sub>7</sub> on S.E.  
R<sub>10</sub> E. S<sub>12</sub> on S.W. and S<sub>1</sub> on N.W.



through Tps. 16 South

chains

face with 5 notches on S. and 1 notch  
N. 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 pit  
from which.

A Palo Verde tree 10 ins. in diam bears N 2  
15 links dist. marked T16 S. R108. S1. B.

Surface level

Soil 3<sup>rd</sup> to 4<sup>th</sup> rate

Grass fair

Scattering Mesquite.

North on a true line bet. Secs 14 & 6  
Q113° 7'E.

Descend gradually

Deposited a marked stone 12 ins. in  
ground for 1/4 Sec. cor. dug pits 18x18x12 ins.

40.00

## Second Guide Meridian East

chains

76.40

and S. of stone  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base one in. In N. put down a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked  $1\frac{1}{4}$  S. on W. face. Intersect the 3<sup>rd</sup> Stand S. 15 Chs E. of Stand cor. to Tps. 15 South R 10 + 11 E. which is a Post 4 ins sq. in mound of earth marked S. C 75 S. on N. R 11 E. S 31 on E. R 10 E. S 36 on W. faces with 6 notches on N. E + W. faces puts N. E + W of post. of required size.

At the point of intersection I set a Post  $4\frac{1}{2}$  ft. long 4 ins. sq. with marked stone 12 ins. in the ground for closing cor. to Tps. 16 S. R 10 + 11 E. marked.

through Tps 16 South

name

CC. T 16 S on S. R 11 E. S 6 on E. and R 11 S on W. faces with 6 notches on S. E. + W. faces, dug pits  $2\frac{1}{2} \times 18 \times 12$  ins. <sup>cross</sup> lengthwise on each line, S. E. + W. of post. 6 ft. dist. and raised a mound of earth  $2\frac{1}{2}$  ft. high  $4\frac{1}{2}$  ft. base around post.

Surface level

Soil floor

Scattering brush

Acacia's Peak

The closing cor. to Tps 16 South R 10 S. falls 15 Chs East of the Stand. Cor. to Tps. 15 South R 10 S 11 East as established by Deputy W. Longhin but Deputy W. Longhin gives the bearing of Acacia's Peak from this cor. to be N. 2° E. while

the bearing of Pecacho feet from  
the original Stand, cor  
to Tps. 15 S. R. 10 + 11 E.  
was  $N 10^{\circ} 35' W$ . showing  
conclusively that the re-  
established Stand. Cor. to  
Tps. 15 S. R. 10 + 11 E. is not  
located where the original  
cor. stood, and this  
closing cor. would probably  
fall west of the original  
Stand. Cor. as it should  
on account of convergency.

---

### General Description

This entire Op. line is on a gradual slope from the Sierra mountains to the N.W. & North. most of it is covered with a scattering growth of mesquite & Palo Verde trees, The grass is fair to good, no water was found at the time of survey

---

I carefully examined the adjustments of my solar transit particularly the latitude and reversing apparatus, and found them correct.

May 1<sup>st</sup> / 1880

## Final Oaths for Surveys.

## LIST OF NAMES.

A List of the Names of Individuals employed by  
 Lewis Wolfley U. S. Deputy Surveyor to  
 assist in running, measuring and marking the lines and  
 corners described in the foregoing Field Notes of the survey of  
 the 4 Stand South through  
 Ranges 5, 6, 7, 8, 9, 10, 11 & 12 E  
 and the 2 Guide Meridian  
 through Tps 25, 19, 18, 17, & 16 S

of the principal base and meridian in the Territory of Arizona,  
 showing the respective capacities in which they acted.

Wilson B. Kern Monitor

Thomas W. C. Sweeney measurer

Hugh Scamlon Flagman

Robert Harris Channeman

John Hawks "

Final Oaths of Assistants.

We hereby certify that we assisted Lewis  
Wolley U. S. Deputy Surveyor, in surveying  
of the 4<sup>th</sup> Stand South through  
Ranges 5, 6, 7, 8, 9, 10, 11 & 12 E  
and the 2<sup>nd</sup> Guide meridian  
through Tps 20, 19, 18, 17 & 16 S

of the principal base and meridian in the Territory of Arizona,  
as are represented in the foregoing field notes as having been  
surveyed by him and under his direction; and that said Survey  
has been in all respects, to the best of our knowledge and belief,  
well and faithfully surveyed, and the corner monuments es-  
tablished according to the instructions furnished by the U. S.  
Surveyor-General for Arizona.

- Wilson B. Key - marker
- Thomas M. [unclear] - witness
- Hugh [unclear] - flagman
- Robt Harrison - chairman
- John Hawks - chairman



Subscribed and sworn to before me this 20<sup>th</sup>

day of May 1885

Lewis Wolley  
Notary Public.

Final Oath of U. S. Deputy Surveyor.

400  
24-004

Lewis Wolfley

United States Deputy Surveyor, do solemnly swear that in  
pursuance of instructions received from Royal  
A Johnson U. S. Surveyor General for Ari-  
zona bearing date of the 28<sup>th</sup> day of February

1885 I have well, faithfully, and truly, in my own proper  
person and in strict conformity, with the instructions furnis-  
ed by the U. S. Surveyor General for Arizona, the surveying  
manual and the laws of the United States surveyed the

4<sup>th</sup> Stand S through Re  
5 6 7 8 9 10 11 & 12 East  
and the 9<sup>th</sup> Guide meridian  
through Tps 20, 19, 18, 17 & 16 South

of the principal base and meridian in the Territory of Ari-  
zona, as are represented in the foregoing fields notes as having  
been surveyed by me and under my direction; and I do further  
solemnly swear that all the corners of the said survey have been  
established and perpetuated in strict accordance with the survey-  
ing manual, printed instructions, the special written instruc-  
tions of the U. S. Surveyor General for Arizona, and in the



64 66 BOOK 1462  
specific manner described in the field notes, and that the foregoing are the true field notes of such survey, and should any fraud be detected I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

BOOK 1462

Lewis Wayler  
U. S. Deputy Surveyor.

Subscribed and sworn to before me, this Tenth  
day of May 1885

H. A. Meurer  
Notary Public.



Final Oaths for Surveys.

LIST OF NAMES.

A List of the Names of Individuals employed by Lewis Wolfley U. S. Deputy Surveyor to assist in running, measuring and marking the lines and corners described in the foregoing Field Notes of the survey of

the 14<sup>th</sup>/<sub>11</sub> Stand South through Ranges 5, 6, 7, 8, 9, 10, 11 & 12 East and The 2<sup>nd</sup>/<sub>11</sub> Guide Meridian through Tps. 20, 19, 18, 17, & 16 S.

of the principal base and meridian in the Territory of Arizona, showing the respective capacities in which they acted.

M. A. McCarthy Chairman  
T. F. Hackett " "



## Final Oaths of Assistants.

We hereby certify that we assisted Lewis  
Wolley U. S. Deputy Surveyor, in surveying  
of the 4<sup>th</sup> Standard through  
Ranges 5, 6, 7, 8, 9, 10, 11 & 12 E  
and the 2 Guide meridian  
through Tps 20, 19, 18, 17 & 16 S

of the principal base and meridian in the Territory of Arizona,  
as are represented in the foregoing field notes as having been  
surveyed by him and under his direction; and that said Survey  
has been in all respects, to the best of our knowledge and belief,  
well and faithfully surveyed, and the corner monuments es-  
tablished according to the instructions furnished by the U. S.  
Surveyor-General for Arizona.

M. A. McCoy - chairman  
J. H. Hackitt - chairman

Subscribed and sworn to before me this 2<sup>d</sup>  
day of Mar 1885

Lewis Wolley  
Notary Public.



## Final Oath of U. S. Deputy Surveyor.

1 Lewis Wolfley

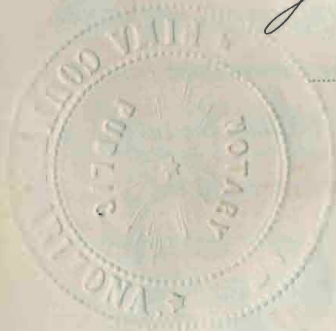
United States Deputy Surveyor, do solemnly swear that in  
 pursuance of instructions received from Royal  
 A Johnson U. S. Surveyor General for Ari-  
 zona bearing date of the 28<sup>th</sup> day of February  
 1885 I have well, faithfully, and truly, in my own proper  
 person and in strict conformity, with the instructions furnish-  
 ed by the U. S. Surveyor General for Arizona, the surveying  
 manual and the laws of the United States surveyed the  
 4<sup>th</sup> Standard S through  
 Ranges 5, 6, 7, 8, 9, 10, 11 & 12 E  
 and the 2<sup>nd</sup> Guide meridian  
 through Tps 20, 19, 18, 17 & 16 S  
 of the principal base and meridian in the Territory of Ari-  
 zona, as are represented in the foregoing field notes as having  
 been surveyed by me and under my direction; and I do further  
 solemnly swear that all the corners of the said survey have been  
 established and perpetuated in strict accordance with the survey-  
 ing manual, printed instructions, the special written instruc-  
 tions of the U. S. Surveyor General for Arizona, and in the

specific manner described in the field notes, and that the foregoing are the true field notes of such survey, and should any fraud be detected I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*Lewis Waller*  
U. S. Deputy Surveyor.

Subscribed and sworn to before me, this *Fourth*  
day of *May* 188*5*

*M. H. Lovelock*  
Notary Public.



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

Tucson, Arizona, July 27 1885

The foregoing Field Notes of the Survey of the

the Base to Aux-  
iliary Guide Meridian  
East through Tps. 16-17-  
18-19 & 20 South

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

ted by

Lewis Wolfley

Deputy Surveyor, under his contract of the

28<sup>th</sup>

day of

February

, 1885, having been

critically examined and the necessary corrections and explana-  
tions made, the said Field Notes and the surveys they describe

are hereby approved

Royal A. Johnson

Surveyor General.