

Rec'd July 18. 1893

1.

1706

BOOK 1706

1706

4-671

FIELD NOTES

~~GENERAL LAND OFFICE~~

_____ of the _____
Third Guide Meridian.

West. through

Tp^s 8, 9 & 10. S. Ranges 12 & 13. W.

Arizona

By Lewis Wolfley

under Cont. No. 25.

Dated January 16 1893.

Survey commenced May 5. 93.

" completed June 7. 93.

BOOK 1706

226				
207				
1818	S. S. R. 12th			
1719				
1530				
1331				
116				
97				
718	S. S. R. 12th			
519				
330				
131				
256				
277				
2818	S. S. R. 12th			
3019				
*				

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BOOK 1706

West through to Sp. 9. S. R. 12 to 13 W. page 1 to 12

" " 8 " " " " 13 to 24

" " 10 " " " " 25 to 31

Third Slide Mercurean

Field Notes
of the
Survey of the
Third Guide Meridian
West

Through Tps. 8.9. + 10. S. Rs. 12
+ 13. W. Gila and S. R

Base and Meridian
Territory of Arizona
As Surveyed by
Lewis Wallace
U. S. Dept. Surveyor

Under Com. No. 25

Dated. Jan. 16/93

Survey commenced May 5/93
" completed July 7/93.

As the Stand. Cor.
to Rs. 13 + 14 W. is in
inaccessible Mountains
I proceeded to Stand
Cor. to Rs. 12 + 13^W and
run North on the
Guide Meridians

I tested my solar
by the sun at noon
I found the latitude to
be $32^{\circ} 35'$ - See page 187.
2^d Standard Parallel Seattle -

Third Guide Meridian. Wd. T. 9. S. R. 12 + 13. 1100

Chains From the Stand-lev. to
Tps. 9. S. R. 12 + 13. W. I
run

North on 3 Guide Meridian W
bet. Secs 31 + 36 Pa $13^{\circ} 35' E$.

- 25.00 Wash 2 1/2 lks. wide course E.
- 40.00 Set a post 3 ft. long 3 ins.
square with marked
stone 12 in the ground
for 114 Sec. cor. marked
114 S. on W. face, dug pits
18 x 18 x 12 ins. on End C. 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
- 70.00 Wash 3 1/2 lks. wide course N. E.
- 80.00 Set a post 4 ft. long 4
ins. square with marked

Third Guide Meridian

charis stone 12 ins. in the ground for Cen. to Secs 25, 30, 31 + 36.

marked

T 9. S. S 31 on N. E.

R 12 W. S 31 on S. E.

R 13 W. S 36. on S. W and

S 25 on N. W. faces

with 1 notch on S. E.

and 5 notches on N. E.

^{faces} edges dug pits 18x18 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 each

From which

an Ironwood 8 ins. in

diam. brs. N 30 E. 168. lks.

West. Through. Twp. 9. S. R. 12 + 13. W
 Chains dist. marked. Twp. 9. S. R. 12 W.
 S. S. B. T.

Land gravelly
 Soil 3rd rate
 Scattering raw wood & Palovina

Work bet. Secs 25 and 30
 $\text{Bearing } 13^{\circ} 45' \text{ E.}$

37.00 Stake ²⁰² 2988 about 60 lks. W
 South Gila canal

40.00 Set a post 3 ft. long 3
 ins. square with marked
 stone 12 ins. in the
 ground for 14 sec. cor
 marked 14 S. or W. face
 dug pits 15 x 15 x 12 ins
 2 Rod S. of post 5 1/2
 ft. dist. and raised a

Third Guide Meridian

charis mound of earth 1 1/2 ft. high 3 1/2 ft. base around bush

65.00 Water Road N. Westly

80.00 Set a post 4 ft. long 4 inq. square with marked stone 12 ins. in the ground for cor to Secs 19, 24, 25 + 30 marked

T. 9. S. 19, on N. E.

R 12. W. S 30 on S. E.

R 13 W. S 25. on S. W. Quad

S 24 on N. W. face with 2 notches on S. ⁶⁰ Quad 4 notches on N. ⁶⁰ faces edges, dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound

West Through Twp. 9 S. R. 12 + 13 W.

Chains of each 2 ft. high $4\frac{1}{2}$
ft. base around post
Land Seal Mesa
Soil $1\frac{1}{4}$ rate
Scattering of greasewood &
Sage Brush

North bet. Sec's 19 + 24

$7\frac{1}{2}$ $13^{\circ} 45' E.$

40.00 Set a post 3 ft. long 3 ins.
square with marked
stone 12 ins. in the ground
for 14 Sec. cor. marked
114 S. on W. face, dug
pits $15 \times 15 \times 12$ ins. $8\frac{1}{2}$
ft. S. of post $5\frac{1}{2}$ ft. dist.
and raised a mound
of earth $4\frac{1}{2}$ ft. high $3\frac{1}{2}$

Third Guide Meridian

Charis base around post

From which

An. Ironwood 5 ins.

diam br. N. 7° E, 220

pts. dist. marked

44 S. B. T.

50.00 Set a post 4 ft. long

4 ins. square with

marked stone 12 ins

in the ground for

lev. to Secs 13, 18, 19, 24

marked

T. 9. S. 15. on N. E.

R 12. W. S. 19. on S. E.

R 13. W. S. 24 on S. W. ^{and}

S 13 on N. W. faces with

3 notches on N. ^{and} S. E.

^{two} edges, dug pits 15 x 15

12 ins. in each Sec

West. Through Twp. 9. S. R. 12 + 13. W.

Chanis 5 1/2 ft. dist. and raised
amount of earth 2 ft.
high 4 1/2 ft. base around
frost

Land Level Mesa

Soil 1st rate

Scattered greasewood +
Sage brush

North bet. Secs 13 + 18

Sta 13° 45' E

40.00 Set a frost 9 ft. long 3 ins.
square with marked
stone 12 ins. in the ground
for 14 Sec. Cor. marked
14 ft. on W. face, dug pits
18 x 18 x 12 ins. N. E. of
frost 5 1/2 ft. dist. and

Third Guide Meridian

chains raised a mound
of earth 1 1/2 ft. high
3 1/2 ft. base around
post

8000 Set a post 4 ft. long
4 ins. square with
marked stone 12
ins. in the ground
for corners to Secs 7, 12, 13 & 18
marked

S. 9. S. 17. on N.E.

R. 12. W. S. 18. on S.E.

R. 13 W. S. 13. on S.W. end

S. 12 on N.W. faces with
4 notches on S^E and 2
notches on N^E ^{faces} edges,

and pits 18 x 18 x 12 ins
in each Sec 5 1/2 ft.
dist. and raised a

West. Through Secs 9, 10, 11, 12, 13, 14

Canon mound of each 2 ft.

high 4 $\frac{1}{2}$ ft. base around
post

Land Level Mesu

Soil 1st/₄ rate

Scattering. Greasewood
and Sagebrush

North bet. Secs 7 + 12

Va 13° 45' E.

10.00 Set a post 3 ft. long 3 ins.
square with marked
stone 12 ins. in the ground
for 114 Sec. Cor. marked
114 S. on W. face, dug
pits 18 x 18 x 12 ins. at
of post 5 $\frac{1}{2}$ ft. dist. and
raised a mound of

Third Guide Meridian West

chain's 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. square with
marked stone 12 ins
in the ground for lev.
to Secs 1, 6, 7 + 12, marked
S. 9. S. 16 on N. E.

R 12. W. 17. on S. E.

R 13. W. 12. on S. W. End

1. on N. W. faces with
5 notches on ^E and 1
notch on ^E _{faces} ^W edges dug
pits $15 \times 15 \times 12$ 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 post

Through Twp. 9. S. R. 12 + 13. W

Chain Land Level Mesa

Soil 1st/_a rate

Scattering greasewood &
Sage. brush

North bet. Secs. 1 + 6.

Va. 13° 45' E.

40.00 Set a post 3 ft. long 3
ins. square with marked
stone 12 ins. in the ground
for 1/4 Sec. cor. marked
N 1/4 S. on W. face dug pit
15 x 15 x 12 ins. W. 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.

80.00 / Set a post 4 1/2 ft. long

3rd Guide Mer. W. through Tps. 9, 10, R. 12 + 13 W

Chairs 4 pins square with
marked stone 12
ins. in the ground for
lev. to Tps. 8 + 9, & R.
12 + 13. W. marked
T. 8 N. S. 31 on N. E.

R. 12. W. S. 6. on S. E.

T. 9. S. S. 1 on S. W. and

R. 13. W. S. 6. on N. W. faces
with 6 notches on each
^{face} edge dug pits 24 x 16
x 12 ins. lengthwise on
each line N. S. E. + W. of
post 6 ft. dist. and
raised a mound of
earth 2 1/2 ft. high 5-
ft. base around post +
Land Level mesur
Soil 1/4 rate

3rd Guide Near W. through Tps 8 & 9. R. 12 & 13. W.

chain scattering greasewood
and sage brush

From the cor. to Tps.
8 & 9. S. R. 12 & 13. W.

From

North bet. Secs. 31 & 36.

Ha. $13^{\circ} 55' E$.

40.00 Set a post 3 ft. long 3 ins.
square with marked
stone 12 ins. in the ground
for 14 Sec. cor. marked
14 S. on W. face, deep pits
15 X 15 X 12 ins. N & 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

Third Guide Meridian West

chains

80.00

Set a post 4 ft. long
4 ins. square with
marked stone 12 ins.
in the ground for
Cor to Secs 25, 30, 31 + 36
marked

T. 8. S. 30. on N. E.

R 12. W. S 31 on E.

R 13. W. S 36. on S. W. End

S 25. on N. W. faces with
1 notch on S. ^{End} 5
notches on N. ^{face} edges.

dig pits 18 x 18 x 12
ins. in each Sec 5th
ft. dist. and raised a
mound of earth 2
ft. high 4 1/2 ft. base
around post.

Through. Ths. S. L. R. 12 + 13.26.

Charris

Land Sec 25 New

Soil 1st/₁₆ rate

Scattering Sage and

grass-wood brush

North bet. Secs 25 + 30

74° 13' 55" E

- 40.00 Set a post 3 ft. long 3 ins. square with marked stone 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 S. on W. face, aug pits 15 x 15 x 12 ins. No. 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
- 80.00 Set a post 4 ft. long 4 ins

Third Guide Meridian

chains square with marked
stone pins in the
ground for cen. to Secs
19, 24, 25 + 38 marked

T. S. S. 19 on N.E.

R 12 W S 38 on S.E.

R 13 W S 25 on S.W. ^{and}

S. 24 on N.W. faces

with 2 notches on S.E.

and 4 notches on N.E.

^{faces}
edges dug pits 18x18

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 each

Land Level Measur

Civil 1st rate

Scattering, grasswood + Sage brush

West. Through. Tps. S. S. Rs. 12 + 13 W

chains North bet. Secs 19 + 24

Pa. $13^{\circ} 55' E$.

40.00 Set a post 3 ft. long 3 ins
square with marked
stone 12 ins. in the
ground for 1/4 Sec. Cor.

Marked 1/4 S. on W. face,
dug pits 15 x 15 x 12 ins.
N. of 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

80.00 Set a post 4 ft. long 4
ins. square with marked
stone 12 ins. in the ground
for bet. to Secs 13. S. 19 + 24
Marked

S. S. S. 15. on N. E.

R. 12. W. S. 19. on S. E.

Third Guide Meridian West

chains R. 13. W. S. 24 on S.W. End
 S 13. on N.W. faces
 with 3 notches on N.E.
 and S. edges. dug pits
 18 x 18 x 18 ins. in each
 Sec 5 1/2 ft. dist. and
 raised a mound of
 earth 2 ft. high 4 1/2 ft.
 base around frost
 Land Level near
 Soil 1st rate

Scattering grasses wood
 and Sage Brush

North bet. Secs. 13 & 15
 Va. 13° 55' E

40.00 Set a frost 3 ft. long
 3 ins. square width

Through T. S. S. R. 12 + 13. 20

Stains marked stone 12 ins.
in the ground for 114
Sec. ev. marked 114 S. on
W. face, dug pits 18x18x
12 ins. N. End S. of foot
5 1/2 ft. dist. and raised
a mound of earth 1 1/2
ft. high 3 1/2 ft. base
around foot

80.00 Set a post 4 ft. long 4
ins. square with marked
stone 12 ins. in the
ground for lev. to Secs
7, 12, 13 + 15 marked
T. S. S. S. 7. on N. E.
R 12. N. S. 15. on S. E.
R 13. N. S. 13. on S. W. End
S 12. on N. W. faces with
4 notches S. End 2 notches

Third Guide Meridian

Chains on N.E. ^{face} edges, dug pits
 15x15x 3 ins. for each
 Sec 5 1/2 ft. dist. and
 raised a mound
 of earth 2 ft. high
 4 1/2 ft. base around foot
 Land level meser
 Soil 1st rate
 Scattering greasewood
 + Sage brush

North bet. Secs. 7 + 12

Va. $13^{\circ} 55' E$

40.00 Set a post 3 ft. long
 3 ins. square with
 marked stone 12 ins. in
 the ground for 1/4 sec
 cor. marked 1/4 S. on W

West. Through Tps. 8. S. R. 12 + 13

chain face, dug pits $18 \times 18 \times 12$
 ins. n End 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

80.00 Set a post 4 ft. long 4
 ins. square with marked
 stone 12 ins. in the ground
 for lev. to Secs 1. 6. 7 + 12
 marked

T. 8. S. 1. 6 on N. E.

R. 12. W. S. 7. on N. E.

R. 13 W. S. 12. on W. End

P. 1. on N. W. face with 5
 notches on N. End 1 notch
 on ^{E. face} W. edge, dug pits 18×18
 $\times 12$ ins. in each Sec. $5\frac{1}{2}$ ft.
 dist. and raised a mound

Third Guide Meridian
chain of earth 2 ft. high
4 1/2 ft. base around
post

Land Level mesa
Soil 1 2/4 rate
Scattering greasewood
& Sage Brush

North Vel. Secs 1 & 6

Pa. 13° 55' E

40.00 Set a post 9 ft. long
3 ins. square with
marked stone 2 ins.
in the ground for 1/4
Sec. cor. marked 1/4
S. or W. face, dug pits
15 x 15 x 12 ins. N. and S.
of post 5 1/2 ft. dist. and

Through Tps 8, 9, 10, 12 + 13. 20

chain raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{4}$ ft. base around Post

63.00 Intersect the Townships line at 3 chs. ^{old} 30 eps. N. $89^{\circ}50'E$. of line to Secs 35 and 36. 8 Tps. 7, 8, 9, 10, 11, 12, 13. ^{as remembered} ~~at~~ which point

I set a Post $4\frac{1}{2}$ ft. long 4 ins. square with marked Stone 12 ins. in the ground for closing line to Tps 8, 9, 10, 12 + 13

W. marked

C. C. T. & S. on S.

R 12. W. S. 6. on E.

R 13 W S 1. on N. faces with 6 notches on S. E. + W. faces, dug pits $24 \times 18 \times 12$ ins.

3rd Guide Mer. W. through Tps. 8. S. R. 12 + 13 W.

Chairs crosswise on each
line S. E. + W. of post 6
ft. dist. and raised a
mound of earth 2 $\frac{1}{2}$
ft. high 5 ft. base
around post

Land Level Mesa

Soil 1 $\frac{1}{2}$ rate

Scattering Sage. And
greasewood brush

May 5 1893

Lewis Wolff
U. S. Deputy Surveyor

3rd Guide Mer W. through Tps. 10, 11, 12, 13
 9.11
 10.12

chains

From the closing cor. to
 Tps. 10 South R. 12 and 13 W.
 I run

South bet. Secs. 1 and 6 on 3rd
 Guide Meridian West.

$91^{\circ} 13' 45'' E$

Over level land

40.00 Set a post 3 ft. long 3 ins
 square with marked stone
 pins in the ground for
 1/4 Sec. cor. marked 1/4 on
 W. face, dug pits 18x18x12 ins
 N. and S. of post 5 1/2 ft. dist
 and raised a mound
 of each 1 1/2 ft. high 3 1/2 ft. base
 around post

80.00 Set a post 4 ft. long 4 ins
 square with marked stone

Third Guide Meridian West

12 ins. in the ground
for cor. to Sec 1, 6, 7th and 12th
marked

T 10 S. S 6. on N. E.

R 12. W S 7. on S. E.

R 13 W S 12 on S. W End

S 1. on N. W faces with 5
notches on Sth and 1 notch
on N. ^{to faces} edges. dug pits 15x

15x12 ins. in each Sec

5 1/2 ft. dist. and raised
a mound of earth 2 ft.
high 4 1/2 ft. base around
grook

Land slightly washed with
surface gravel

Soil 2nd rate

Scattering Ironwood, grasswood,
brush

through Tps. 10. S. R. 12 and 13 W

South bet. Secs. 7 and 12
of a $13^{\circ}45'E$

7.00 Road bet. N.E. and O.W

40.00 Set a post 3 ft. long 3 ins
square 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
N End 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.

80.00 Set a post 4 ft. long 4 ins
square with marked stone
12 ins. in the ground for
cor. to Secs. 7, 12, 13 & 18
marked

T. 10 S. R. 7. on N.E.

R. 12. W. S. 18. on S.E.

Tuid Guide Meridian West

Chain R-13. W. S 13. on S.W. ^{End}
 S. 12. on N.W. faces with 4
 notches on ^{End} and 2 notches
 on N. ^{Co} ^{faces} edges. dug pits 15x15
 x 12 ins. in each Sec 5th
 ft. dist. and raised a
 mound of earth 2 ft
 high 1 1/2 ft. base around post.
 Land slightly washed
 Soil 2nd rate
 Scattering Ironwood bush

South bet. Secs. 13 ^{End} 18
 of a 13° 45' E

14.30 Road bet S.W. ^{End} N.E.

22.00 Wash 30 ft. wide course N.E.

40.00 Set a post 5 ft. long 3 ins. square
 with marked stone 12 ins

Through Chas. 10 S. R. 12. + 13 Wash

Sec. 10 in the ground for 114 Sec. cor.
marked 140. on W. face, dug
pits 18x18x12 ins. N End of
post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft. high
2 1/2 ft. base around post

49.00 Wash 1 ch. wide course N.E.

80.00 Set a post 4 ft. long 4 ins
square with marked stone
12 ins. in the ground for cor.
to Sec. 13. 18. 19 + 24. marked
T 10. S. 18. on N.E.

R 12. W. S. 19. on S.E.

R 13 W. S. 24. on W End

S 13 on N.W. face with 3 notches
on N^o End ^{& faces} 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

Third Guide Meridian West

chains ft. base around post

Land washed mesa

Soil 1 $\frac{1}{2}$ rate

Scattering Ironwood and Palo Verde

South bet. Sec. 19 & 24

$\text{Q} 913^{\circ} 45' \text{E}$

40.00 Set a post 3 ft. long 3 ins
square with marked
stone 12 ins. in the ground
for 1/4 Sec. cor. marked 1/4
P. on W. face, dug pits 18x18x
12 ins. N and S of post 0 $\frac{1}{2}$ ft.
dist. and raised a mound
of each 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft.
base around post

70.00 Ascend gradually

80.00 Set a post 4 ft. long 4 ins

Through. Tho. 18 S. R. 12 & 13 W
 Chain square with marked stone
 12 ins. in the ground for Cor.
 to Secs. 19, 24, 25 and 30

marked

T 10 S 19. on N E

R 12 W 25 on S E

R 13 W 25. on W end

O 24. on N. W. face with 2
 notches on ^{face} and 4 notches
 on N. ^{face} edge and raised a
 mound of gravel 1 1/2 ft. high
 3 1/2 ft. base around post

Paths impracticable

Land level mesa

Soil 1st 3rd gate.

Scattering Ironwood brush
 20 chs. South of this point is
 the foot of perpendicular Rocky
 Mound.

June 7th 1893.

U. S. Surveyor-General's Office,

TUCSON, A. T., *ap^l. 30 1894*

The foregoing Field Notes of the Surveys of
the Third Guide meridian
West, through Tps 8, 9 & 10
South & Between Ranges
12 & 13 West Gila and Salt River Meridian
 in *Arizona* — executed by
Lewis Wolfley
 U. S. Deputy Surveyor, under his contract dated
January 16th 1893.
 having been critically examined, the necessary correc-
 tions and explanations made, the said Field Notes and
 the surveys they describe are hereby approved.

L. A. Manning
 U. S. Surveyor-General
 for the Territory of Arizona.